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UNDERGROUND STORAGE TANK CLOSURE REPORT PROPOSED BLOOMFIELD BUSINESS CENTER 11020, 11102, 11120 AND 11240 BLOOMFIELD AVENUE SANTA FE SPRINGS, CALIFORNIA





Geotechnical

and

Environmental

Sciences

Consultants

Minyo & Moore





Headquarters Fire Station

11300 Greenstone Ave. • CA • 90670-4619 • (562) 944-9713 • Fax (562) 941-1817 • www.santafesprings.org

May 15, 2003

Paul Roberts Ninyo and Moore 475 Goddard, Suite 200 Irvine, CA 92618

Dear Mr. Roberts:

DETERMINATION ACTION SUBJECT: NO **FURTHER** UNDERGROUND STORAGE TANK LOCATED AT 11020 BLOOMFIELD AVENUE, SANTA FE SPRINGS, CA

This letter confirms the completion of a site investigation and remediation action for the 6,000 gallon underground storage tank formerly located at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank are greatly appreciated.

Based on the information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations:

Please contact Environmental Protection Inspector Brenda Nelson of this office at (562) 906-3812 if you have any questions regarding this matter.

Sincerely,

Neal Welland

Heal Welland

Fire Chief

NW/bn

Bloomfield Partners, LLC cc: 18802 Bardeen Avenue Irvine; CA 92612

JUSTIFICATION FOR BLOOMFIELD BUSINESS CENTER 6,000 GALLON UST CLOSURE 5/9/03 11020 BLOOMFILED

Justification for allowing TPH (g)(d) and heavy ends in place.

RWQCB previously allowed 949 mg/kg gas, 12,000 mg/kg diesel, and 4,270 mg/kg heavy ends in their NFA from the AST closure on the south end of the property. Although the concentrations exceed this in some samples, groundwater is at 96.7 ft. bgs and the contamination is limited to the UST area and approximately 13'-18'in depth. There is 20' of "clean" soil from 30' – 50' bgs except for .062 mg/kg of naphthalene. From 30'- 15' bgs there is fewer and significantly smaller concentrations of contaminants detected.

The DTSC allowed 12,000 mg/kg, 23,000 mg/kg, and 150,000 mg/kg across the site, including the non-capped areas. All detected TPH was below these levels.

The only other contaminant that exceeds the DTSC clean up level is 1,1,1 TCA. DTSC's limit is 9.7 mg/ kg for this site. The highest detected concentrations were 11 mg/kg and 12 mg/kg at 13' and 10' below the final grade. The PRGi for this is 1,200 mg/kg. This meets SFS's criteria for soil closure because it is below the PRGi. It is also equal to or greater than 10' deep. Furthermore, the contamination was clearly shown to be coming from the UST based on the sampling data. The report also states the migration pattern is expected to be vertical and limited to horizontal migration based on the lithology.

Only soil cuttings were disposed of back on-site. The concentrations were very low for UST-7-15 through UST-7-50 and all below the RWQCB NFA and DTSC NFA concentrations.

AB681 requirements fulfilled (sole landowner applies). Closure report indicates data entry into Geotracker.

Sent By: SFS FIRE DEPARTMENT: 582 941 1817;

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT HAS STATE OFFICE OF EMERGENCY SERVICES ☐ YES [V] NO _____ Y29 REPORT DATE 04541464043 NAME OF INDIVIOUAL FILING REPORT Paul Roberts (949) 753-7070 REPRESENTING DE OWNER/OPERATOR AGGICNAL BOARD LOCAL AGENCY 92611 92612 11020 OROSS STREET Lakeland PHONE Santz Fesprings Fire Department 1562 944 - 9713 Brenz Nelson (CHOLLING) TECH YTTTYALIO Petroleum hydroczarbons **NMONOMIN** UNIONONIN INVENTORY CONTROL DATE DISCHARGE REGAN Redevelopment OTHER TANK TEST TANK REMOVAL METHOD USED TO STOP DISCHARGE KOHECK ALL THAT APPLY) PREMOVE CONTENTS CLOSE TANK & REMOVE LINKNOWN CHANGE PROCEDURE PEPAR TANK X AER WO RAEY DALE /71/75909 045 REPLACE TANK L) OTHER SOURCE OF DIDCHARGE RUPTUREFAILURE SPEL TANK LEAK LINKNOWN OVERFILL PIPING LEAK CORROSION OTHER CHECK ONE ONLY UNDETERMINED GROUNOWATER DRINKING WATER . (CHECK DILLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED) SOIL ONLY POLILITION CHARACTERIZATION NO ACTION TAKEN PRELIMBARY SITE ASSESSMENT WORKPLAN SLIGMITTED POST CLEANUP MONITORING IN PROGRESS LEAK BEING CONFIRMED PRELIMINARY SITE ASSESSMENT LINDERWAY CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) CLEANUP UNDERWAY REMEIDIATION PLAN CHECK APPROPRIATE ACTION(E) EXCAVATE 4 DISPOSE (ED) REMOVE FREE PRODUCT (FP) PUMP & TREAT GROUNDWATER (GT) _____ REPLACE SUPPLY (RB) CAP SITE (CD) EXCAVATE A TREAT (ET) NO ACTION REQUIRED (NA) TREATMENT AT HOOKUP (HU) CONTAINMENT BARRIER (CR VACUUM EXTRACT (VE) some soil was excavated + disposed, A no Further action letter was issued by the Santa Resprings Fire Dept. dated 5/15/03.



UNDERGROUND STORAGE TANK
CLOSURE REPORT
PROPOSED BLOOMFIELD BUSINESS CENTER
11020, 11102, 11120 AND 11240 BLOOMFIELD AVENUE
SANTA FE SPRINGS, CALIFORNIA

PREPARED FOR:

Bloomfield Partners, LLC 18802 Bardeen Avenue Irvine, California 92612

PREPARED BY:

Ninyo & Moore Geotechnical and Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618

March 26, 2003 Project No. 203571006

March 26, 2003 Project No. 203571006

Mr. Peter Rooney Bloomfield Partners, LLC 18802 Bardeen Avenue Irvine, California 92612

Subject:

Underground Storage Tank Closure Report

Proposed Bloomfield Business Center

11020, 11102, 11120 and 11240 Bloomfield Avenue

Santa Fe Springs, California

Dear Mr. Rooney:

Ninyo & Moore is pleased to present this Underground Storage Tank Closure Report for the subject site. Should you require clarification of any of our findings, conclusions, or recommendations, please contact the undersigned in our Irvine office.

Sincerely,

NINYO & MOORE

Paul A. Roberts, R.G., R.E.A. I/II Senior Environmental Geologist



PAR/mll

- Distribution: (3) Addressee
 - (2) Ms. Brenda Nelson, Santa Fe Springs Fire Department
 - (1) Mr. Tom Hall, Santa Fe Springs Fire Department
 - (1) Pam Andes, Esq., Allen Matkins Leck Gamble & Mallory LLP
 - (1) Mr. Clark Neuhoff, Bloomfield Partners, LLC
 - (1) Mr. Dave Henry, Hazard Management Consulting, Inc.
 - (1) Mr. Phil Fitzwater, Iris Environmental
 - (1) Mr. Dwight Merriman, RREEF
 - (1) Mr. Larry Cummins, RREEF

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1. INTRODUCTION

Bloomfield Partners, LLC authorized Ninyo & Moore to perform underground storage tank (UST) closure activities at the proposed Bloomfield Business Center property located at 11020, 11102, 11120, and 11240 Bloomfield Avenue in Santa Fe Springs, California (site; Figure 1). Work was conducted under the direction of and in general accordance with the Santa Fe Springs Fire Department (SFSFD) guidelines.

2. BACKGROUND

The site has historically been used to store crude oil and petroleum hydrocarbon products (i.e., jet fuel and waste oil), and store off-site derived oil well drilling fluids and muds. The western portion of the site was used by an oil recycling company and other commercial businesses. The southwestern portion of the site was used by the former Powerine Refinery (located immediately northwest of the site) to store jet fuel in two large aboveground storage tanks (ASTs) comprising approximately 80,000 barrels each. The former Powerine Refinery is located immediately northwest of the site and is currently owned by Cenco Refining Company (Cenco). Eight underground storage tanks (USTs) were historically located on-site, removed, and issued closure letters from the Regional Water Quality Control Board, Los Angeles Region (RWQCB) and/or SFSFD.

Prior to acquisition of the site by Bloomfield Partners, LLC in 2002, extensive subsurface investigations were completed throughout the site which included drilling approximately 124 soil borings, the excavation of approximately 56 test pits, and the installation of six groundwater monitoring wells. The work was completed from approximately 1985 through 2001 under the direction of the California Department of Toxic Substances Control (DTSC), the RWQCB, and/or the SFSFD.

2.1. RWQCB Closure

Petroleum hydrocarbon impacted soil was discovered and characterized in the area of the two ASTs located in the southwestern portion of the site. The lateral extent was assessed to be limited to the area in the vicinity of the ASTs and the vertical extent was assessed to groundwater, at a depth of approximately 100 feet bgs. The highest concentration of petroleum hydrocarbons (i.e., 12,000 milligrams per kilogram [mg/kg] of diesel fuel range hydrocarbons) was discovered at a depth of approximately 100 feet bgs. Following review of the characterization reports, the RWQCB issued a no further action letter dated July 3, 1998. The closure was issued due to the close proximity of the site to the former Powerine Refinery and the known groundwater impacts beneath the site from this facility.

2.2. DTSC Closure

The northwestern portion of the site was formerly used by an oil recycling business which obtained industrial oil waste and stored the oil on-site in a 12,000-gallon UST and ASTs. Elevated concentrations of petroleum hydrocarbons, metals, polychlorinated biphenyls (PCBs), and volatile organic compounds (VOCs) were discovered and characterized in the vicinity of the former facility. The area was capped with asphalt under the direction of the DTSC and issued a certificate of completion in 1998. This certification also presented a no further action classification for the entire site.

2.3. Groundwater Monitoring

The former Powerine Refinery has been issued a Cleanup and Abatement Order by the RWQCB to conduct semi-annual groundwater monitoring in the vicinity of the refinery. Groundwater monitoring events include many groundwater wells located on the refinery property and in the vicinity, including four groundwater wells located on the subject site. Three groundwater wells previously installed on-site were destroyed in August 2002 by Ninyo & Moore under the direction of the RWQCB. These wells were not part of the regional groundwater monitoring program conducted by Cenco.

2.4. Property Acquisition and Grading Activities

In 2002, Bloomfield Partners, LLC acquired the site and proposed to construct three commercial warehouse buildings with associated parking lots. Due to the known contamination at the site, Ninyo & Moore prepared a Soil Management Plan (SMP) to assist in grading activities. The SMP was approved by the SFSFD prior to commencement of grading activities. Grading began on October 8, 2002 under the direction of the SFSFD. Ninyo & Moore personnel monitored grading activities and ambient air in accordance with South Coast Air Quality Management District (AQMD) Rule 1166.

During grading activities on November 7, 2002, an oily liquid seeped from the ground in the northwestern portion of the site. The area was immediately delineated and further grading in this area was stopped. The grading equipment had punctured a small hole in a subsurface feature. Ninyo & Moore collected a liquid sample from the feature using a bailer and analyzed the sample for total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel fuel (TPHd), polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), and Title 22 metals in general accordance with EPA Method Nos. 8015 (modified), 8082, 8260B, and 6010/7000 series. The liquid appeared to be a mixture of water and oil. Laboratory results confirmed this assumption with detectable concentrations of petroleum hydrocarbons (i.e., 2.3 milligrams per liter [mg/l] of TPHg and 120 mg/l of TPHd) and VOCs, namely 1,1-dichloroethene (1,1-DCE), 1,2,4-trimethylbenzene, cis-1,2dichloroethane (cis-1,2-DCA), tetrachloroethene (PCE), trichloroethene (TCE), xylenes, toluene, and vinyl chloride ranging from no detectable concentrations to 1.7 mg/l. Laboratory results also indicated no detectable concentrations of PCBs, and low concentrations of metals. A copy of the laboratory reports is provided in Appendix A.

On November 14, the feature was further excavated and discovered to be an approximately 6,000-gallon UST. The SFSFD was immediately notified and the excavation was backfilled for safety reasons.

3. GEOLOGY AND HYDROLOGY

The site is situated on the Santa Fe Springs Plain area of the Los Angeles Coastal Plain. Prominent area features include the Puente and Coyote Hills to the northeast, east, and southeast, and the San Gabriel River to the west. The Coastal Plain area generally consists of alluvial materials deposited by the Los Angeles, San Gabriel, and Santa Ana Rivers during the late Pleistocene. In the site vicinity, the Santa Fe Springs Plain consists of the late Pleistocene alluvium of the Lakewood Formation. The Lakewood Formation consists of interbedded clays, silts, silty sands, and sands representative of stream-type alluvial and flood-plain deposits. As described herein, a soil boring was drilled in the vicinity of the UST and soils encountered included interbedded clayey silt, silty fine sand, fine sand, and fine to course sand from surface to approximately 69.5 feet below the ground surface (bgs), and silty clay and clayey silt from approximately 69.5 to 80 feet bgs. No groundwater was encountered during the drilling activities presented herein.

TRC conducts semi-annual groundwater monitoring for Cenco. Based on the latest semi-annual groundwater monitoring report provided to Ninyo & Moore dated September 16, 2002, depth to groundwater measured in well W-1 (located approximately 25 feet southwest of the former UST) was approximately 96.7 feet bgs (TRC, 2002). Groundwater gradient is reported in a southwest-erly direction.

4. FIELD ACTIVITIES

Prior to commencement of field activities, Ninyo & Moore prepared a Health and Safety Plan that was used on-site. Ninyo & Moore retained American Integrated Services (AIS) of Lynwood, California, to excavate and remove the UST. The following text includes a description of the UST permitting, excavation, and removal activities.

4.1. Permitting

Prior to beginning excavation activities, a UST removal permit was obtained from the SFSFD and a demolition permit was issued by the Santa Fe Springs Building Department (SFSBD). Copies of the permits are included in Appendix B.

4.2. Excavation Activities

Excavation and removal activities were conducted on November 20, 2002. Following exposure, the UST was discovered to be a buried tank from a tanker truck. The tank contained four baffles. Each baffle contained a hole in the center that limited the movement of liquids during transportation. The UST had one designed opening in the top-center of the tank. What appeared to be former heating coils were noted along the bottom of the tank (possibly used to transport crude oil). A temperature gauge was noted on the outside of the tank. Color photographs of the UST removal are presented in Appendix C.

4.3. UST Rinsing and Removal

The UST appeared to have been filled with liquid (that was previously sampled by Ninyo & Moore). The opening on the top-center of the tank allowed soil to spill into the tank, possibly during grading activities. Therefore, the central baffles or compartments were filled with a mixture of liquids and solids and the end compartments contained liquids. AIS used two vacuum trucks to remove the liquids, and some of the solid materials. A water truck was used to further liquefy the solid materials. The remaining solid materials in the tank were removed by the excavator and placed in roll-off bins. The liquids and solids removed from the UST via vacuum truck, as well as the rinseate liquids, were disposed of at Crosby & Overton of Long Beach, California. Copies of the non-hazardous manifests are included in Appendix D.

Following removal of the liquids and rinseate, AIS retained Ms. Nancy Carraway, a Certified Industrial Hygienist, to certify the USTs as non-hazardous. A copy of the Tank Certification is presented in Appendix E.

The UST removal activities were conducted on November 20, 2002 under the direction of Ms. Brenda Nelson of the SFSFD. A copy of the Certificate of Tank Destruction is included in Appendix F. The excavation associated with the UST (designated Tank 7) measured approximately 25 feet by 16 feet (Figure 4). Following removal of the UST, a hole measuring approximately 8 to 10 inches in diameter and two smaller holes measuring approximately 2-inches in diameter were noted on the eastern floor and eastern wall, respectively, of the UST. These holes appeared to have been formerly used as a bottom clean out and pipeline inlet and outlets for the former tanker. The holes were not due to corrosion.

A gray, wet, clayey silt, with a petroleum hydrocarbon odor and staining was noted immediately beneath the tank. AIS excavated the wet materials and placed them in the roll-off bins. Ninyo & Moore attempted to excavate the stained soil remaining in the excavation. The excavation continued to a depth of approximately 10 feet bgs, or approximately 13 feet below final grade (Figure 5). At that point, petroleum hydrocarbon impacted soil was noted within the excavation along the northern, western, and eastern walls, and on the floor of the excavation. No petroleum hydrocarbon staining or odorous soil was observed along the southern wall. The stained and odorous soil noted on the walls of the excavation began at a depth of approximately 7 feet bgs, or approximately 10 feet below final grade (Figure 5).

4.4. Soil Sampling

Under the direction of Ms. Nelson and oversight of Mr. Paul Roberts, a California Registered Geologist at Ninyo & Moore, two soil samples were collected from stained native soil from the bottom of the excavation at a depth of approximately 10 feet bgs beneath the UST (designated 7A and 7B). One sample was collected from each wall of the excavation at a depth of approximately 8 feet bgs (designated 7C through 7F). Soil samples were obtained

from the bucket of the backhoe using EPA Method No. 5035, and laboratory supplied glass jars. One sample (designated B1) was collected from the materials in the roll-off bins and one sample (designated SP1) was collected from the excavated stockpiled soil. These samples were also collected using EPA Method No. 5035, and glass jars. Once sample containers were completely filled with soil, leaving no apparent headspace, the containers were capped, placed in an ice chest cooled with ice, and transferred, under appropriate chain-of-custody to an off-site California-certified environmental testing laboratory.

5. ANALYTICAL RESULTS

As directed by the SFSFD, the soil samples collected beneath the UST and from the excavated soil were analyzed for total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbon, extended range hydrocarbons C₁₀-C₃₂ (TPHe), volatile organic compounds (VOCs) including fuel oxygenates, semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), hexavalent chromium, and Title 22 metals in general accordance with EPA Method Nos. 8015 (modified), 8260B, 8270C, 8082, 7196A, and 6010/7000 series. Analyses were performed by Advanced Technology Laboratories of Signal Hill, California. Laboratory reports are presented in Appendix A.

As summarized on Table 1, laboratory results of the soil sample collected from the roll-off bins (B1) indicated concentrations of lead exceeding ten times the Soluble Threshold Limit Concentration of 50 milligrams per kilogram (mg/kg). The remaining metal analytes were detected at concentrations below ten times the STLC values. Based on this result and for disposal profiling purposes, the sample was reanalyzed for soluble lead using the Waste Extraction Test (WET) and the Toxicity Characteristic Leaching Procedure (TCLP) methods. Based on the laboratory results, the soils removed from the tank and excavation were classified as non-hazardous waste and were later disposed at a recycling facility (see Section 6).

The following sections present the laboratory results of soil samples collected within the excavation with respect to current regulatory guidelines.

5.1. PCBs and Metals

As noted on Table 1, laboratory results of the confirmation samples indicated no detectable to low concentrations of PCBs (below the industrial Preliminary Remediation Goals [PRGi]). Metals were reported at concentrations below ten times the Soluble Threshold Limit Concentration (STLC). Except for arsenic and possibly chromium, the concentrations of metals also were below the PRGi. Arsenic was detected at concentrations ranging from 7.4 to 11 milligrams per kilogram (mg/kg) and total chromium was detected at concentrations ranging from 17 to 31 mg/kg. Arsenic and chromium are naturally occurring metals.

The cancer endpoint PRGi for arsenic on industrial land is 1.6 mg/kg. Because the natural occurring concentrations of arsenic in California typically exceed the Federal PRG levels, Ninyo & Moore compared these levels with published background concentrations. According to Kearney Foundation of Soil Science, background concentrations of arsenic in California ranges from approximately 0.59 to 11 mg/kg (Kearney, 1996). Other publications are available documenting metal concentrations in soil throughout the western United States which indicate concentrations of naturally occurring arsenic ranging from less than 0.1 to 40 mg/kg (Dragun, 1988) and less than 0.1 to 97 mg/kg (Shacklette & Boerngen, 1984). Based on this information, the arsenic concentrations would not be considered elevated.

At the request of the SFSFD, the confirmation samples were analyzed for hexavalent chromium to assess the percentage of Chromium III and Chromium VI. Laboratory results indicated no detected concentrations of hexavalent chromium, and therefore, the concentrations previously detected would be considered low based on the PRGi for Chromium III (i.e., 10,000 mg/kg).

5.2. Petroleum Hydrocarbons

The concentrations of gasoline range hydrocarbons, diesel range hydrocarbons, and heavy petroleum hydrocarbons were slightly above the Regional Water Quality Control Board, Los Angeles Region (RWQCB) Interim Guideline (RWQCB, 1996), which is sometimes used as

a guide for cleanup standards. However, the concentrations of these constituents were well below petroleum hydrocarbon concentrations that have been previously left in-place at the site and closed by the Department of Toxic Substances Control (DTSC) and RWQCB. The concentrations of petroleum hydrocarbons and VOCs that have been left in-place per the approval of the RWQCB and DTSC are presented on the bottom of Table 1.

5.3. Volatile Organic Compounds and Semi-Volatile Organic Compounds

Laboratory results of VOCs indicated detectable concentrations of selected constituents. As presented on Table 1, only four confirmation samples indicated concentrations of VOCs slightly exceeding the industrial PRGi or Soil Screening Levels (SSLs, Dilution Attenuation Factor [DAF₂₀]). The constituents detected included 1,1,1-trichloroethane (1,1,1-TCA), benzene, ethylbenzene, toluene, and trichloroethene (TCE).

Laboratory results of semi-volatile organic compounds (SVOCs) indicated no detectable to low concentrations. Low concentrations of 2-methylnapthalene and naphthalene were detected in some of the confirmation samples (Table 1). The concentrations of naphthalene were well below the PRGi and SSL. Although there are no regulatory standards or guidelines for 2-methylnapthalene, the concentrations detected are assumed to be associated with the heavy petroleum hydrocarbons and would not pose an environmental or health risk.

5.4. Summary of Laboratory Results

In general, the concentrations of potentially impacted soil remaining in-place beneath the former UST would be considered low. As stated above, the concentrations of PCBs, SVOCs, and metals are so low they would not be considered a further concern. Although the concentrations of petroleum hydrocarbons and selected VOCs are slightly above default regulatory guidelines, it is our opinion, given the history of the site and the concentrations that are already in place at the site, these concentrations are not a further concern.

There are no set cleanup standards for petroleum hydrocarbons in soil. The RWQCB has issued a guidance document which outlines the cleanup goals of 500 mg/kg for gasoline, 1,000 mg/kg for diesel fuel, and 10,000 mg/kg for heavy petroleum hydrocarbons. These cleanup goals are used as points of departure by the RWQCB, and as shown on Table 1, are often modified on a case-by-case basis. As an example, the RWQCB and DTSC have closed this site with knowledge of higher concentrations of petroleum hydrocarbons remaining in soils at the site (Table 1).

To address the SFSFD concerns regarding the extent of the petroleum hydrocarbons and selected VOCs remaining near the former UST, Ninyo & Moore proposed to advance one soil boring in the approximate center of the former excavation. The results of this further investigation are presented below in Section 7.

6. SITE RESTORATION

Following completion of UST removal activities, the soil containerized in the two roll-off bins and the excavated stockpiled soil (approximately 82 tons) were transported to American Remedial Technologies, Inc. (ART) of Lynwood, California for recycling. Copies of the non-hazardous manifests are presented in Appendix D.

Soil excavated from footings being excavated as part of the redevelopment activities was used as backfill for the UST excavation. Norcal, Inc. (Norcal) of Los Alamitos, California, was retained by Bloomfield Partners, LLC to complete the geotechnical grading activities associated with the redevelopment of the site. Norcal conducted the compaction soil testing during backfilling of the UST and submitted a compaction report. A copy of the compaction report is provided in Appendix G Backfilling continued to grade, which was approximately 3 feet below final grade. Grading is planned to be continued in this area to final grade. This area is planned to be developed as a parking lot for a commercial building.

7. FURTHER INVESTIGATIONS AND RESULTS

Based on the results of the confirmation sampling, Ninyo & Moore prepared a work plan to conduct a subsurface investigation in the vicinity of the former UST to assess the extent of the petroleum hydrocarbon and VOC-impacted soil. The work plan was dated December 6, 2002, and was subsequently reviewed and approved by the SFSFD on December 11, 2002.

7.1. Lateral Extent of Impacted Soil

During removal of the UST, petroleum hydrocarbon odorous and stained soil was encountered at depths of approximately 7 feet below grade along the northern, eastern, and western walls. The floor of the excavation also showed stained and odorous soil. The southern wall and areas above 7 feet below grade along the remaining walls showed no stained or odorous soil. As presented on Table 1, laboratory results verified the field indications. Because the tank was discovered during grading activities, final grade in this area will be approximately 3 feet higher than the existing grade. Based on this information, affected soil on the walls of the excavation occur at a depth of approximately 10 feet below final grade.

As stated above, extensive subsurface investigations have been performed throughout the years in the vicinity of the subject UST. Ninyo & Moore superimposed the location of some of the closest sample points on Figure 3, and presents the laboratory results of soil samples collected from these locations on Table 3. As part of the SMP, Ninyo & Moore outlined areas of petroleum hydrocarbon impacted soil that could be encountered during grading activities. These areas were verified during grading activities and were found to be fairly accurate based on visual inspections and PID readings; the subject UST was located near one of these areas (Figures 3, 4 and 5).

In addition, based on the types of chemicals of concern (i.e., heavy petroleum hydrocarbons and VOCs), and soil conditions (i.e., silty fine sand and fine to course sand), these constituents would typically migrate in a vertical direction with minimal lateral movement. Based on

the information presented above, it is our judgment that the lateral extent of the affected soil is limited to the area in the immediate vicinity of the former UST excavation (Figure 3).

7.2. Vertical Extent of Impacted Soil

As presented in the approved work plan, Ninyo & Moore proposed to advance one soil boring in the approximate center of the former UST excavation and analyze soil samples to assess the vertical extent. Prior to commencement of field activities, Ninyo & Moore and the SFSFD agreed that the concentrations of metals, PCBs, and SVOCs detected in the affected soil beneath the former UST would not be of concern. The vertical extent would be assessed based on a 20-foot zone of "clean" soil. The "clean" soil criteria was based on depth to groundwater, anticipated soil type (i.e., sand), and regulatory guidelines.

7.2.1. "Clean" Soil Criteria

The SFSFD requested that at least 20 feet of "clean" soil (i.e., four consecutive samples collected at 5-foot depth intervals) be encountered beneath the impacted soil to define the vertical extent. The "clean" soil criteria were agreed upon by Ninyo & Moore and the SFSFD prior to the commencement of field activities. For soil encountered at depths less than 60 feet bgs, the "clean" soil criteria for VOCs were agreed to be less than the PRGi or SSL DAF₂₀, whichever was lowest. Petroleum hydrocarbons for depths less than 60 feet bgs were to be below 500 mg/kg for C₄-C₁₂ (gasoline range), 12,000 mg/kg for C₁₃-C₂₂ (diesel fuel range), and 10,000 mg/kg for C₂₃-C₃₂ (heavy petroleum hydrocarbon range). The "clean" soil criteria for the gasoline and heavy petroleum hydrocarbon ranges were taken from the RWQCB Interim Site Assessment & Cleanup Guidebook dated May 1996. Because diesel fuel had been left in-place at concentrations up to 12,000 mg/kg in the area of the Powerine Section (this sample was collected immediately above groundwater at approximately 100 feet bgs and the area was closed by the RWQCB), and under the direction of the DTSC at concentrations up to 23,000 mg/kg throughout the remaining portion of the site, Ninyo & Moore recommended that

the "clean" soil criteria for diesel range hydrocarbons be 12,000 mg/kg. For soil encountered at depths of 60 to 80 feet bgs, the "clean" soil criteria for VOCs would follow the RWQCB guidebook, and the petroleum hydrocarbon criteria would stay the same. The SFSFD approved the work plan and "clean" soil criteria on December 11, 2002. The approved work plan is presented in Appendix B.

7.2.2. Field Activities

On December 12, 2002, Ninyo & Moore advanced one soil boring (designated UST-7) to a depth of approximately 80 feet bgs (Figure 5). The soil boring was advanced using hollow stem auger equipment and soil cuttings were containerized in 55-gallon drums. Soil samples were collected at approximately 15 feet bgs (immediately below the UST excavation), and at approximately 5-foot depth intervals to the bottom of the boring. Ninyo & Moore retained Jones Environmental, Inc. of Fullerton, California, a State-certified mobile laboratory to analyze selected soil samples for total petroleum hydrocarbons, extended range C₄-C₃₂ (TPHe) and VOCs (including MTBE and fuel oxygenates) in general accordance with EPA Method Nos. 8015 (modified) and 8260B, respectively. Soil samples were collected by a Registered Geologist from Ninyo & Moore using EPA Method No. 5035. Field Procedures are presented in Appendix H and the boring log is presented in Appendix I.

7.2.3. Laboratory Results

As presented on Table 2, the concentrations of VOC and petroleum hydrocarbon concentrations decreased dramatically in soil samples collected from approximately 15, 20, and 25 feet bgs. Except for low concentrations of naphthalene detected in the sample collected at a depth of approximately 30 feet bgs, no detectable concentrations of VOCs or petroleum hydrocarbons were reported in the samples collected from 30, 35, 40, 45, and 50 feet bgs. Based on this information, the 20-foot zone of "clean" soil has been reached and the extent of the affected soil is limited vertically to a depth of less than 30 feet bgs.

As agreed upon by the SFSFD and Ninyo & Moore, if the laboratory results of the soil samples collected from the soil boring indicated concentrations of VOCs below their respective PRGi and/or SSL DAF20, the soil cuttings containerized in the drums could be disposed of on-site. Based on the laboratory results, the soil was later removed from the drums and was left on-site.

8. UPLOADING ELECTRONIC DATA

The laboratory data have been received by Ninyo & Moore in EDF format from the laboratories and have been uploaded to the State Water Resources Control Board (SWRCB) GeoTracker website. As required by the SWRCB, Ninyo & Moore also uploaded a copy of the site plan showing the location of soil boring UST-7. The GeoTracker spreadsheet that confirms the electronic delivery of the laboratory data is included in Appendix J.

9. CONCLUSIONS

Based on the information presented herein, Ninyo & Moore presents the following conclusions:

- A former 6,000-gallon UST was discovered at the site during grading activities and was removed on November 20, 2002 under the direction and oversight of the SFSFD. Petroleum hydrocarbon and VOC impacted soil was discovered beneath the former UST, and some of the impacted soil was excavated and recycled at an off-site facility. Laboratory results of confirmation samples collected from the floor and walls of the excavation indicated that some petroleum hydrocarbon and VOC-impacted soil remained.
- Based on laboratory data from previous subsurface investigations, observations during grading activities, types of contaminants discovered, and soil conditions, the lateral extent of the impacted soil is limited to the area immediately adjacent to the former UST. Because the stained and odorous soil was first encountered at depths of approximately 6 feet bgs (9 feet below final grade) and the area is planned to be used as a parking lot, there is a low likelihood, that the remaining impacted soil would pose a health risk to future site occupants.
- Except for low concentrations of naphthalene at 30 feet bgs, no detectable concentrations of petroleum hydrocarbons and VOCs were reported in the soil samples collected from a soil boring drilled within the former UST excavation at depths of approximately 30, 35, 40, 45, and 50 feet bgs, which presented the 20-foot zone of "clean" soil requested by the SFSFD to define the vertical extent of impacted soil. Based on the laboratory data, the extent of the

impacted soil remaining on-site is limited vertically to a depth of less than 30 feet bgs, and therefore, would not impact groundwater.

10. RECOMMENDATION

Based on the analytical results for the samples collected at the site, Ninyo & Moore requests regulatory closure of the former UST from the SFSFD.

11. LIMITATIONS

The services outlined in this report have been conducted in a manner generally consistent with current regulatory guidelines. No other warranty, expressed or implied, is made regarding the professional opinions presented in this report. Ninyo & Moore's opinions are based on an analysis of observed conditions and on information obtained from third parties. It is likely that variations in soil conditions may exist which were beyond the scope of work for the UST closure activities.

The samples collected and chemically analyzed and the observations made are believed to be representative of the general area evaluated; however, conditions can vary significantly between sampling locations. The interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and measure the concentration of certain chemical or physical constituents in samples collected from the site. The analyses have been conducted by an independent laboratory which is accredited by the United States EPA and/or certified by the State of California to conduct such analyses. Ninyo & Moore has no involvement in, or control over, such analyses and has no means of confirming the accuracy of laboratory results. Ninyo & Moore, therefore, disclaims any responsibility for inaccuracy in such laboratory results.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding

content, interpretations presented, or completeness of this document. Opinions and judgments expressed herein, which are based on our understanding and interpretation of current regulatory standards, should not be construed as legal opinions.

12. REFERENCES

- Dragun, J., 1988, The Soil Chemistry of Hazardous Materials, Hazardous Materials Control Research Institute, Silver Spring, Maryland.
- Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, 1996, Background Concentrations of Trace and major Elements in California Soils, dated March.
- Ninyo & Moore, 2002a, Final Soil Management Plan, Former Walker Property, Santa Fe Springs, California: Report prepared for Bloomfield Partners, LLC, Irvine, California, dated April 4.
- Ninyo & Moore, 2002b, Work Plan to Conduct a Subsurface Investigation, 6,000-Gallon Underground Storage Tank, Proposed Bloomfield Business Center Property, 11020, 11102, 11120, and 11240 Bloomfield Avenue, Santa Fe Springs, California: Work Plan prepared for Santa Fe Springs Fire Department, Santa Fe Springs, California, dated December 6.
- Regional Water Quality Control Board, Los Angeles Region (RWQCB), 1996, Interim Site Assessment & Cleanup Guidebook, dated May.
- Shacklette, H.T. and Boerngen, J.G., 1984, Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States, United States Geological Society Professional Paper 1270.
- TRC, 2002, Semi-Annual Groundwater Monitoring Report, May 2002 Monitoring Event, CENCO Refining Company (former Powerine Oil Company), Santa Fe Springs, California: Report prepared for CENCO Refining Company, Santa Fe Springs, California, dated September 16.

Table 1 - Summary of Laboratory Results of Soil Samples Collected During the Underground Storage Tank Removal

																	VOCs	(mg/kg)											SVOCs (mo/ko		â		
Sample No.	Location	Depth (ft)*	TPHg C4-C12 (mg/kg)	ТРНძ С13-С22 (тд/кд)	тРН С23-С32 (тд/kg)	PCB (mg/kg)	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,3,5-Trimethylbenzene	4-Chlorotoluene	4-Isopropytoluene	Benzene	Chlorobenzene	cis-1,2-DCE	Ethylbenzene	sopropylbenzene	Xylenes	n-buty/benzene	n-propylbenzene	Naphthalene	sec-Butyfbenzene	Toluena	TCE	PCE	Vinyl Chloride	2-Methymapthalene	Naphthalene	Title 22 Metals (mg/kg)	Hexavalent Chromium (mg/kg)	WET-Lead (mg/L)	TCLP-Lead (mg/L)
7A	Eastern floor of the excavation	13	1 200	7,000	9,500	ND	8.8	1.1	0.0053	45	0.32	14	<0.0041	0.17	0.029	<0.0041	0.084	21	5.5	114	0.17	8.5	14	0.13	16	0.057	<0.0041	<0.0041	19	7	<10xSTLC	ND	NA.	NA
_	Western floor of the excavation			7,200							<0.0044		<0.0044				0.089	19			0.084				31			<0.0044			<10xSTLC			
7C	Northern wall of the excavation	\Box		5,400							<0.0055		<0.0055			<0.0055		13	4.1	84			12					<0.0055	23		<10xSTLC			
7D	Eastern wall of the excavation	10	960	7,600	12,000	0.030	7	0.88	0.0060	18	<0.0046	6.9	0.063	0.14	0.036	0.12	0.13	24	0.31	167	0.15	0.40	6.7	0.1	28	0.057	<0.0046	<0.0046	17	ND	<10xSTLC	ND	NA.	NA
7E	Southern wall of excavation	10	790	4,900	5,500	ND	1.4	0.15	<0.0042	20	0.20	7.1	<0.0042	0,11	0.0070	<0.0042	0.024	6.6	0.22	40	0.11	0.27	6.7	0.076	0.16	0.023	<0.0042	<0.0042	18	ND	<10xSTLC	ND	NA.	NA
7F	Western wall of excavation	10	<10	<10	<10	ND	0.022	0.019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0075	<0.005	<0.005	<0.005	ND	ND	<10xSTLC	ND.	×	NA
B1	Excavated soil in bin	NA	600	7,600	11,000	ND	8	2.1	0.0092	17	10	0.36	<0.0043	0.029	0.030	<0.0043	0.33	0.20	<0.0043	21.6	0.047	0.098	0.098	<0.0043	5.5	0.018	<0.0043	0.064	ND	ND_	Lead -150	NA.	0.93	ND
SP1	Excavated soil in stockpile	NA	360	4,000	4,000	0.099	1	0.16	<0.0048	11	<0.0048	0.43	0.042	0.080	0.012	0.012	0.18	2.7	0.13	16.3	0.11	0.23	0.41	<0.0048	3.3	0.037	3	<0.0048	11	ND	<10xSTLC	NA.	NA.	NA
PRGi			-	_	-	0.74	1,200	1,700	410	170	370	70	_		1.3	530	150	20	520	420	240	240	190	220	520	0.11	3.4	0.75		190			_	-
	ening Levels-DAF ₂₀		_	-		-	2.0	23	0.04	_	17				0.03	1.0	0.4	13		210			84	_	12	0.06	0.06			84			-	
	Guidelines	_	500	_	10,000									_=							_											_		
	A Concentrations			_	150,000		9.7							-	5.4			64.6	-						62									
Notes:	NFA Concentrations		949	12,000	4,270	_									-				1															

*Depth measured in feet below final grade.

PRGI - Industrial Preliminary Remedial Goal.

TPHg - Total Petroleum Hydrocarbons as gasoline analyzed in accordance with EPA Method No. 8015 (modified).

TPHd - Total Petroleum Hydrocarbons as diesel analyzed in accordance with EPA Method No. 8015 (modified).

TPH - Total Petroleum Hydrocarbons as heavy petroleum hydrocarbons range analyzed in accordance with EPA Method No. 8015 (modified).

PCB - Polychlorinated Biphenyls analyzed in accordance with EPA Method No. 8082 (Aroclor 1242 was the detected analyte).

VOCs - Volatile Organic Compounds analyzed in accordance with EPA Method No. 8260B plus oxygenates.

SVOCs - Semi-Volatile Organic Compounds analyzed in accordance with EPA Method No. 8270C.

Title 22 Metals analyzed in accordance with EPA Method No. 6010B/7000 series.

Hexavalent Chromium analyzed in accordance with EPA Method No. 7196A.

WET - Waste Extraction Test

DTSC - Department of Toxic Substances Control

RWQCB - Regional Water Quality Control Board, Los Angeles Region DAF₂₀ - Dilution Attenuation Factor

NFA - No further action required.

mg/kg - milligrams/kilogram

mg/L - milligrams/litter

ND - Not Detected

NA - Not Analyzed

-- Not Available

< 0.005 - Less than the laboratory detection limit.

Table 2 - Summary of Laboratory Results of Soil Samples Collected Beneath the Former Underground Storage Tank and from Soil Boring UST-7

																VOCs	(mg/kg)										
Sample No.	Location	Depth (fl bgs)*	TPHg C4-C12 (mg/kg)	TPHd C13-C22 (mg/kg)	ТРН С23-С32 (ту/ку)	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,3,5-Trimethylbenzene	4-Chlorotoluene	4-Isopropyitoluene	Benzene	Chlorobenzene	cis-1,2-DCE	Ethylbenzene	Isopropylbenzene	Xylenes	Methylene Chloride	мтв£	n-butylbenzene	n-propylbenzene	Naphthaiene	sec-Butylbenzene	Toluene	TCE
7A	Eastern floor of the excavation	10	1,200	7,000	9,500	8.8	1.1	0.0053	45	0.32	14	<0.0041	0.17	0.029	<0.0041	0.084	21	5.5	114	<0.0041	<0.0041	0.17	8.5	14	0.13	16	0.057
7B	Western floor of the excavation	10	1,100	7,200	8,200	11	1.3	0.0051	25	<0.0044	0.35	<0.0044	0.064	0.038	0.032	0.089	19	0.18	98	<0.0044	<0.0044	0.084	0.25	0.38	0.053	31	0.045
	Northern wall of the excavation	7	1,100			12	1.2	0.013	32	<0.0055	11	<0.0055	0.29	~ 0.061	<0.0055	0.18	13	4.1	84	<0.0055	<0.0055	0.25	6.3	12	0.19	15	0.17
7D	Eastern wall of the excavation	7	960	7,600	12,000	7	0.88			<0.0046	6.9		0.14		0,12				167	<0.0046	<0.0046	0.15		6.7	0.1	28	0.057
7E	Southern wall of excavation	7	790	4,900	5,500	1,4		<0.0042	20			<0.0042	0,11		<0.0042	0.024	6.6	0.22	40	<0.0042	<0.0042	0.11	0.27	6.7	0.076	0.16	0.023
7F	Western wall of excavation	7	<0.89	<10	<10	0.022		<0.0050	<0.0050			<0.0050					<0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0075	<0.0050
UST - 7 - 15	Soit Boring	15		206	370	<0.005	<0.005	<0.005	<0.005	<0.005	2.1	<0.005	<0.005	<0.005	<0.005	< 0.005	0.75	0.17	0.27	0.19	<0.005	<0.005	2.7	5.4	<0.005	0.95	<0.005
UST - 7 - 20	Soit Boring	20	47	53	<10	<0.005	<0.005	<0.005	<0.005	<0.005	7.7	<0.005	<0.005	<0.005	<0.005	<0.005	8.6	0.95	7.5	<0.005	<0.005	<0.005	2.7	6.9	0.27	1.2	<0.005
UST - 7 - 25	Soil Boring	25	46	18	<10	<0.005	<0.005	<0.005	<0.005	<0.005	5.8	<0.005	0.28	<0.005	<0.005	<0.005	3.9	0.64	2.8	0.08	0.25	<0.005	1.8	4.4	0.26	0.5	<0.005
UST - 7 - 30	Soil Boring	30	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.062	<0.005	<0.005	<0.005
UST - 7 - 35	Soil Boring	35	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
UST - 7 - 40	Soil Boring	40	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
UST - 7 - 45	Soil Boring	45	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
UST - 7 - 50	Soil Boring	50	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
"Clean" Soil C 0 to 60 feet	riteria using SSL DAF ₂₀ /P	RGi	500	12,000	10,000	2.0	6	0.04	170	17	70	_		0.03	1.0	0.4	13	520	210	0.02	36	240	240	84	220	12	0.06
PRGi				12,000		1,200	6	410	170	370	70			1.3	530	150		520	420	21	36	240		190	220	520	0.11
Soil Screening	Levels-DAF ₂₉		_			2.0	23			17			_	0.03	1.0	0.4	13		210	0.02		I	-	84	-	12	0.06
	ured in feet below ground ial Preliminary Remedial		e (ft bgs).	Ground su	ırface was	approxime	itely 3 fee	t below fin	al grade.					5.4			64.6					,				62	DY S

TPHg - Total Petroleum Hydrocarbons as gasoline analyzed in accordance with EPA Method No. 8015 (modified).

TPHd - Total Petroleum Hydrocarbons as diesel analyzed in accordance with EPA Method No. 8015 (modified).

TPH - Total Petroleum Hydrocarbons as heavy petroleum hydrocarbons range analyzed in accordance with EPA Method No. 8015 (modified).

VOCs - Volatile Organic Compounds analyzed in accordance with EPA Method No. 8260B plus oxygenates.

DAF₂₀ - Dilution Attenuation Factor

SSL - soil screening level

<0.005 - less than the laboratory detection limit

mg/kg - milligrams/kilogram

mg/L - milligrams/liter

"Clean" Soil Criteria was determined by taking the more stringent regulation between SSL DAF 20 and PRGi

- Not Available

Table 3 - Summary of Laboratory Results of Soil Samples Previously Collected in the Vicinity of the Underground Storage Tank Removal

			erground		101111111				
Sample No.	Location with respect to the UST	Depth (ft bgs)	VOCs (mg/kg)	TRPH (mg/kg)	TPHg (mg/kg)	TPHd (mg/kg)	PCB (mg/kg)	Title 22 Metals (mg/kg)	Other Analyses
Campio Ho.	Will respect to the CCT	(it bgo)	(11.9/1.9)	(11197119)	(9/1.9/	(99)			
TW-3	TRC soil boring 45 feet northeast	3 8 18	 	 <5	 	 	<0.01 <0.01		
8.	Dames & Moore soil boring 18 feet south	20.5-25*	<0.05	-			<0.08	Barium-36	TOX- <5 mg/kg TOC- <0.1%
TMB-2	TRC soil boring 32 feet south	15 25		8.5 <5					
TSB-3/W-1	TRC soil boring 23 feet southwest	10 20		2,200 <5					-
	23 leet southwest	30	 	3.3					
		35 85	 	 <0.05	<5 	 		 	
24	Dames & Moore soil boring 35 feet northwest	1		_				Barium-84 Lead- 21	
TW-5	TRC soil boring 46 feet south	5		570	<5		<0.01		
LS-06	HLA Boring 40 feet	18	<0.005	<10	<5	<5	<0.03	Barium-24	SVOCs-<0.2 mg/kg
	southwest	23	<0.005	<10	<5	<5	<0.03		SVOCs-<0.2 mg/kg
		28	<0.005	<10	<5	<5	<0.03		SVOCs-<0.2 mg/kg
1	Dames & Moore soil boring 60 feet northeast	25-40*	<0.05					Barium-42	TOX- <5 mg/kg TOC- 0.2%
1A	TRC soil sample collected beneath the former UST located 38 feet southwest	10-12*	<0.05		<5				
NM2A	Ninyo & Moore soil boring	5	<0.0038						-
	38 feet southwest	10	<0.0039						
		20	<0.0042						
		30	<0.0049						
		40	<0.0048						

Table 3 - Summary of Laboratory Results of Soil Samples Previously Collected in the Vicinity of the Underground Storage Tank Removal

Sample No.	Location with respect to the UST	Depth (ft bgs)	VOCs (mg/kg)	TRPH (mg/kg)	TPHg (mg/kg)	TPHd (mg/kg)	PCB (mg/kg)	Title 22 Metals (mg/kg)	Other Analyses
1B	TRC soil sample collected beneath the former UST located 42 feet southwest	10-12*	<0.05		<5				
NM2B	Ninyo & Moore soil boring 42 feet southwest	5 10 20	<0.0039 <0.0040 <0.0049	 	 	 		 	
2A	TRC soil sample collected beneath the former UST located 32 feet southwest	12-14*							
NM3A	Ninyo & Moore soil boring 32 feet southwest	5 10 20 30	<0.0039 <0.0041 <0.0052 <0.0050	 		 	 	 	
2B	TRC soil sample located beneath the former UST located 37 feet southwest	12-14*	<0.05		<5				
NM3B	N&M soil boring 37 feet southwest	5 10 20	<0.0041 <0.0041 <0.0041	 	 	 	 	 	

Notes:

TPHg-Total Petroleum Hydrocarbons as gasoline analyzed in accordance with EPA Method No. 8015 (modified)

TPHd-Total Petroleum Hydrocarbons as diesel fuel analyzed in accordance with EPA Method No. 8015 (modified)

TRPH-Total Recoverable Petroleum Hydrocarbons analyzed in accordance with EPA Method No. 418.1

PCBs-Polychlorinated Biphenyls analyzed with EPA Method No. 8080

VOCs-Volatile Organic Compounds analyzed in accordance with EPA Method Nos. 8010/8020 or 8260B

SVOCS - Semivolatile Organic Compounds analyzed in accordance with EPA Method No. 8270

TOX-Total Organic Halogens

TOC-Total Organic Carbon

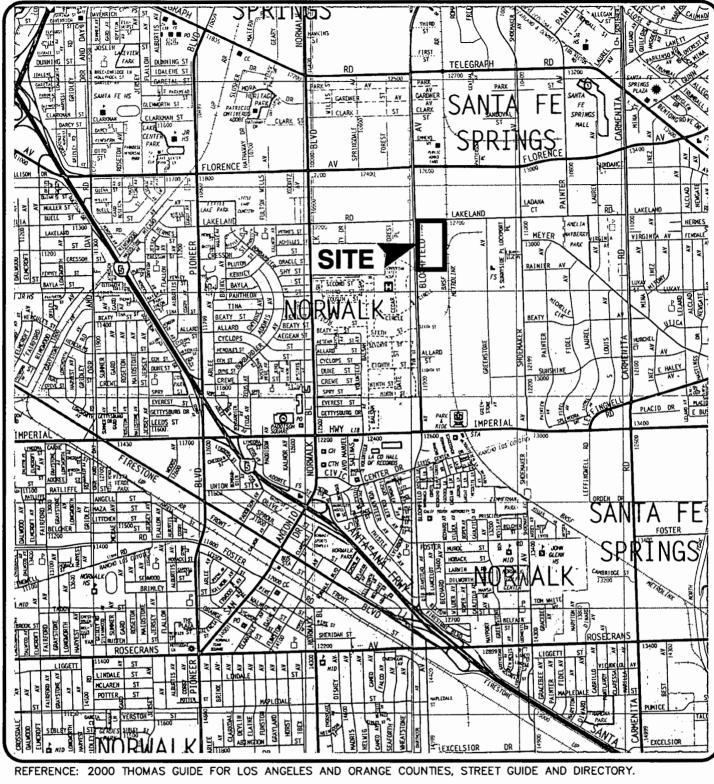
ft bgs - feet below ground surface

mg/kg - milligrams/kilogram

<0.0048 - Less than the laboratory detection limit</p>

Not Analyzed

*Sample depths were reported by others as a range. The exact depth is unknown, or samples may have been composited.







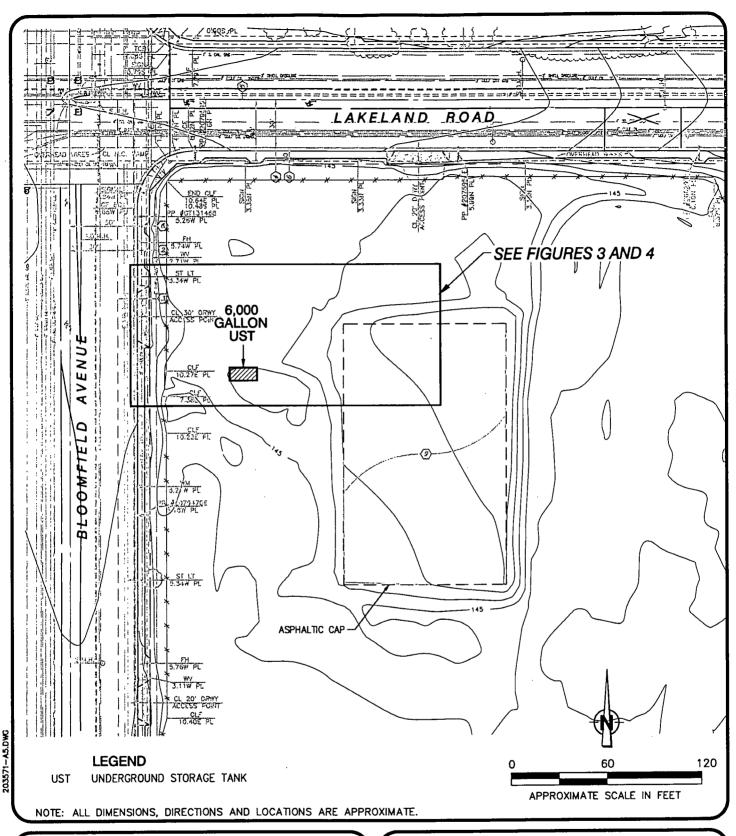
*Minyo & M*oore

SITE LOCATION MAP

PROPOSED BLOOMFIELD BUSINESS CENTER 11020, 11102, 11120, AND 11240 BLOOMFIELD AVE. SANTA FE SPRINGS, CALIFORNIA

PROJECT NO.	DATE	7	
203571006	3/2003	ノ	

FIGURE

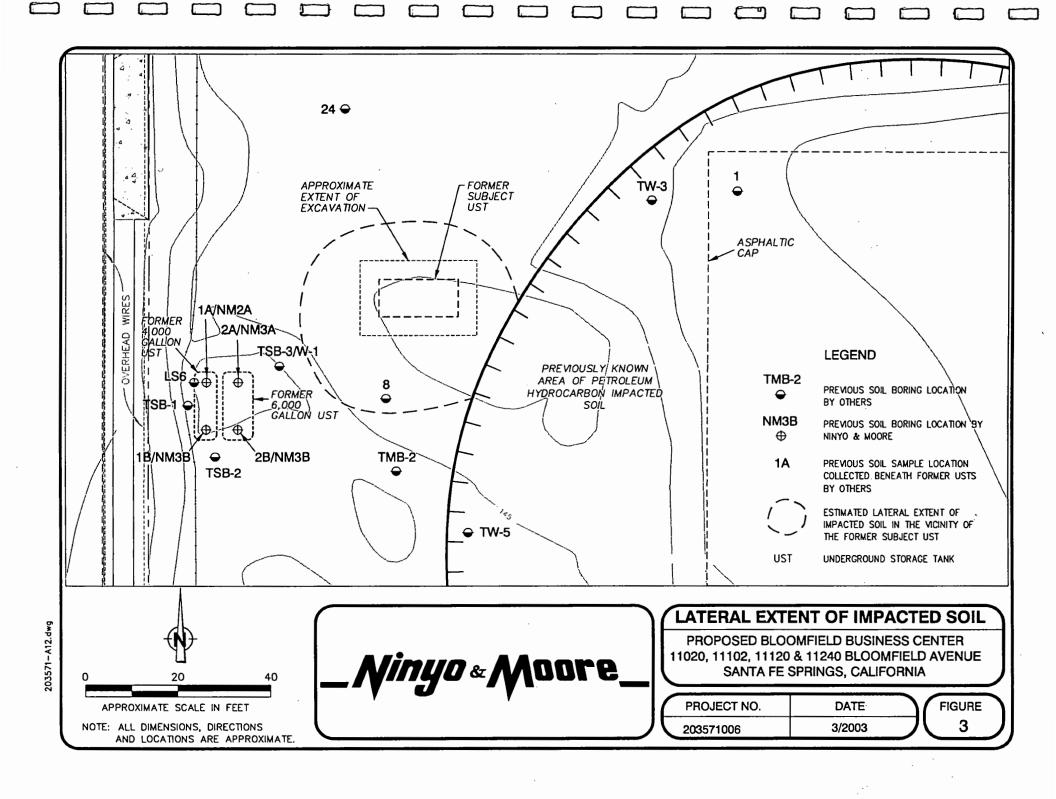


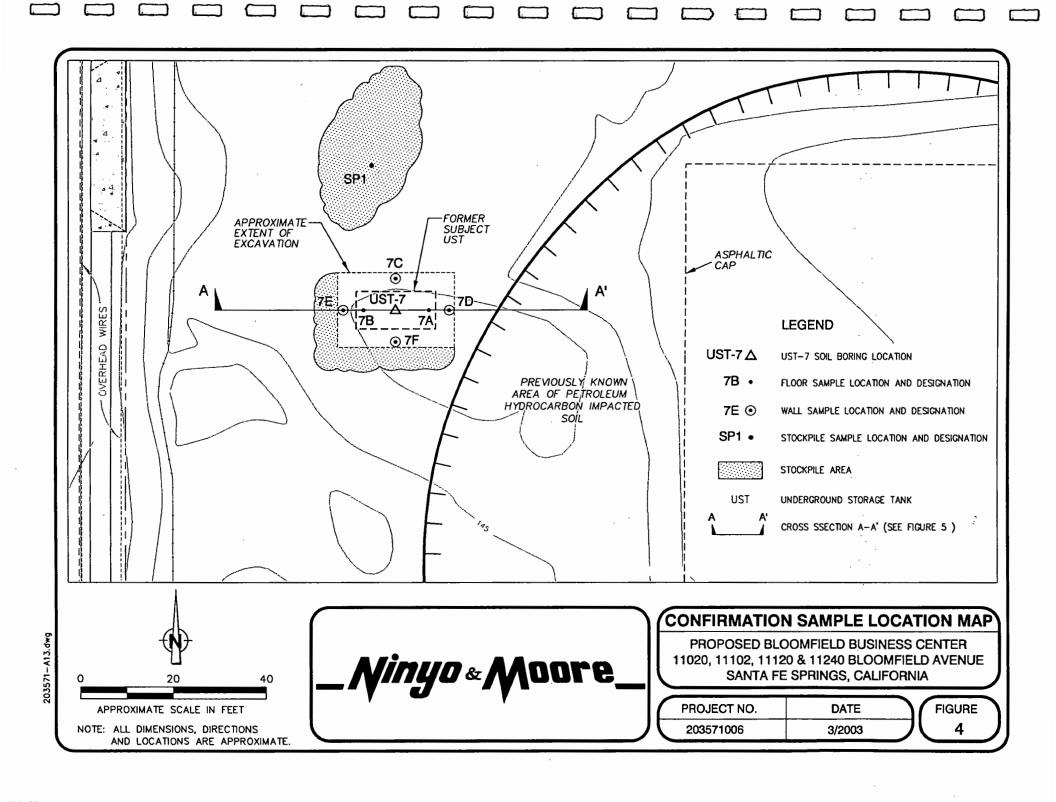
UNDERGROUND STORAGE TANK LOCATION

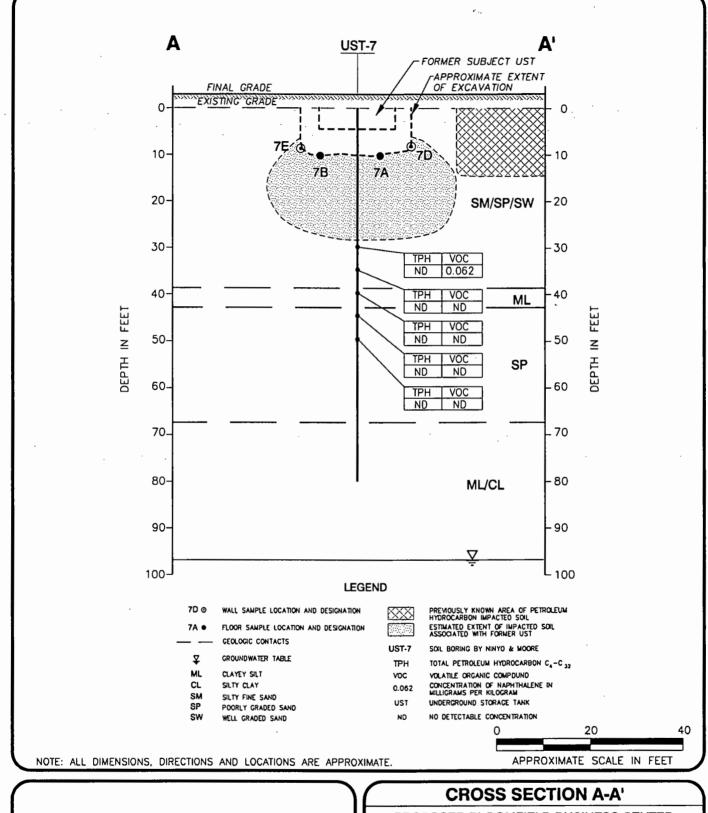
PROPOSED BLOOMFIELD BUSINESS CENTER 11020, 11102, 11120 & 11240 BLOOMFIELD AVENUE SANTA FE SPRINGS, CALIFORNIA

PROJECT NO.	DATE
203571006	3/2003

FIGURE 2







*Ninyo &* Moore

PROPOSED BLOOMFIELD BUSINESS CENTER 11020, 11102, 11120, AND 11240 BLOOMFIELD AVE. SANTA FE SPRINGS, CALIFORNIA

PROJECT NO.	DATE	FIGURE
203571006	3/2003	5

_Aingo&Aonse

APPENDIX A

LABORATORY REPORT

November 15, 2002

RECEIVED

NOV 2 6 2002

Paul Roberts
Ninyo & Moore
A75 Goddard Suite 200

NINYO & MOORE
A75 Goddard Suite 200

Irvine, CA 92618

TEL: (949) 753-7070 FAX: (949) 753-7071

RE: Bloomfield Business Center, 203571006

Attention: Paul Roberts

ELAP No.: 1838

NELAP No.: 02107CA

Workorder No.: 059934

Enclosed are the results for sample(s) received on November 14, 2002 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez Laboratory Director

This cover letter and a case narrative are an integral part of this analytical report.



Date: 15-Nov-02

CLIENT:

Ninyo & Moore

Project:

Bloomfield Business Center, 203571006

Lab Order:

059934

CASE NARRATIVE

Analytical Comments for EPA 8015 (Diesel)

Sample 059934-001E contains hydrocarbons that do not match the diesel pattern. However, quantitation is based on a diesel standard.

Date: 15-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

059934

Project:

Bloomfield Business Center, 203571006

Lab ID:

059934-001A

Client Sample ID: UST-1-111402

Collection Date: 11/14/2002 9:15:00 AM

Matrix: WATER

Analyses		Res	ult	Limit	Qual Unit	s DF	Date Analyzed
PCB BY GC/ECI	 D					<u>-</u>	
		(EPA 3510C)			EPA 8	082	
RuniD: GC5_02	1114B	QC Batch:	11368	3		•	Analyst: EES
Aroclor 1016			ND	1.0	μg/L	1	11/14/2002
Aroclor 1221		•	ND	2.0	µg/L	1	11/14/2002
Aroclor 1232			ND	1.0	· µg/L	1	11/14/2002
Aroclor 1242			ND	1.0	μg/L	1	11/14/2002
Aroclor 1248			ND	1.0	µg/L	1	11/14/2002
Aroclor 1254			ND	1.0	µg/L	1	11/14/2002
Aroclor 1260			ND	1.0	µg/L	1	11/14/2002
Aroclor 1262			ND	1.0	µg/L	1	11/14/2002
Aroclor 1268			ND	1.0	µg/L	1	11/14/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

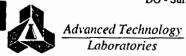
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified Page 1 of 6



Date: 15-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

059934

Project:

Lab ID:

Bloomfield Business Center, 203571006 059934-001B

Client Sample ID: UST-1-111402

Collection Date: 11/14/2002 9:15:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOL	INDS BY GC/MS				
			EPA 8260B		
RunID: MS2_021114B	QC Batch: Q0	2VW252		•	Analyst: GG
1,1,1,2-Tetrachloroethane	ND	50	μg/L	10	11/15/2002
1,1,1-Trichloroethane	ND	50	μg/L	10	11/15/2002
1,1,2,2-Tetrachloroethane	ND	50	μg/L	10	11/15/2002
1,1,2-Trichloroethane	ND	50	μg/L	10	11/15/2002
1,1-Dichloroethane	650	50	μg/L	10	11/15/2002
1,1-Dichloroethene	ND	50	μg/L	10	11/15/2002
1,1-Dichloropropene	ND	50	μg/L	10	11/15/2002
1,2,3-Trichlorobenzene	ND	50	μg/L	10	11/15/2002
1,2,3-Trichloropropane	ND	50	μg/L	10	11/15/2002
1,2,4-Trichlorobenzene	ND	50	μg/L	10	11/15/2002
1,2,4-Trimethylbenzene	120	50	μg/L	10	11/15/2002
1,2-Dibromo-3-chloropropane	ND	50	μg/L	10	11/15/2002
1,2-Dibromoethane	ND	50	μg/L	10	11/15/2002
1,2-Dichlorobenzene	ND	50	μg/L	10	11/15/2002
1,2-Dichloroethane	ND	50	μg/L	10	11/15/2002
1,2-Dichloropropane	ND	50	μg/L	10	11/15/2002
1,3,5-Trimethylbenzene	ND	50	μg/L	10	11/15/2002
1,3-Dichlorobenzene	ND	50	μg/L	10	11/15/2002
1,3-Dichloropropane	ND	50	μg/L	10	11/15/2002
1,4-Dichlorobenzene	ND	50	μg/L	10	11/15/2002
2,2-Dichloropropane	ND	50	μg/L	10	11/15/2002
2-Chlorotoluene	ND	50	μg/L	10	11/15/2002
4-Chlorotoluene	ND	50	μg/L	10	11/15/2002
4-Isopropyltoluene	ND	50	μg/L	10	11/15/2002
Benzene	ND	50	μg/L	10	11/15/2002
Bromobenzene	ND	50	μg/L	10	11/15/2002
Bromodichloromethane	ND	50	μg/L	10	11/15/2002
Bromoform	ND	50	μg/L	10	11/15/2002
Bromomethane	ND	50	μg/L	10	11/15/2002
Carbon tetrachloride	ND.	50	μg/L	10	11/15/2002
Chlorobenzene	ND	50	μg/L	10	11/15/2002
Chloroethane	ND	50	µg/L	10	11/15/2002
Chloroform	ND	50	μg/L	10	11/15/2002
Chloromethane	ND	50	μg/L	10	11/15/2002
cis-1,2-Dichloroethene	1700	50	μg/L	10	11/15/2002
Dibromochloromethane	ND	50	μg/L	10	11/15/2002
Dibromomethane	ND	50	μg/L	10	11/15/2002

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 2 of 6



Advanced Technology Laboratories

Date: 15-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

059934

Project: Lab ID: Bloomfield Business Center, 203571006

059934-001B

Client Sample ID: UST-1-111402

Collection Date: 11/14/2002 9:15:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
VOLATILE ORGANIC COMPO	DUNDS BY GC/MS				
			EPA 8260B		
RunID: MS2_021114B	QC Batch:	Q02VW252	-		Analyst: GG
Dichlorodifluoromethane	ND	50	μg/L	10	11/15/2002
Ethylbenzene	ND	50	µg/L	10	11/15/2002
Hexachlorobutadiene	ND	50	μg/L	10	11/15/2002
Isopropylbenzene	ND	50	µg/L	10	11/15/2002
m,p-Xylene	130	50	µg/L	10 -	11/15/2002
Methylene chloride	ND	50	μg/L	10	11/15/2002
n-Butylbenzene	ND	50	µg/L	10	11/15/2002
n-Propylbenzene	ND	50	μg/L	10	11/15/2002
Naphthalene	ND	50	μg/L	10	11/15/2002
o-Xylene	57	50	μg/L	10	11/15/2002
sec-Butylbenzene	ΝD	50	µg/L	10	11/15/2002
Styrene	ND	50	µg/L	10	11/15/2002
tert-Butylbenzene	ND	50	μg/L	10	11/15/2002
Tetrachloroethene	1200	50	μg/L	10	11/15/2002
Toluene	200	50	μg/L	10	11/15/2002
trans-1,2-Dichloroethene	ND	50	μg/L	10	11/15/2002
Trichloroethene	610	50	µg/L	10	11/15/2002
Trichlorofluoromethane	ND	50	μg/L	10	11/15/2002
Vinyl chloride	220	50	μg/L	10	11/15/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 3 of 6



Date: 15-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

059934

Project: Lab ID: Bloomfield Business Center, 203571006

059934-001C

Client Sample ID: UST-1-111402

Collection Date: 11/14/2002 9:15:00 AM

Matrix: WATER

Analyses	Result	Limit Q	Qual Units	DF	Date Analyzed
ICP METALS					
	(EPA 3010A)		EPA 6010B		
RunID: ICP2_021115B	QC Batch: 11378	3			Analyst: RQ
Antimony	0.0075	0.0050	mg/L	1	11/15/2002
Arsenic	0.010	0.0050	mg/L	1	11/15/2002
Barium	0.58	0.0030	mg/L	1	11/15/2002
Beryllium	ND	0.0030	mg/L	1	11/15/2002
Cadmium	0.0043	0.0030	mg/L	1	11/15/2002
Chromium	0.060	0.0030	mg/L	1	11/15/2002
Cobalt	0.010	0.0030	mg/L	1	11/15/2002
Copper	0.20	0.0030	mg/L	1	11/15/2002
Lead	1.1	0.0050	mg/L	1	11/15/2002
Molybdenum	0.010	0.0050	mg/L	1	11/15/2002
Nickel	0.050	0.0030	mg/L	1	11/15/2002
Selenium	0.010	0.0050	mg/L	1	11/15/2002
Silver	ND	0.0030	mg/L	1	11/15/2002
Thallium	ND	0.0050	mg/L	1	11/15/2002
Vanadium	0.040	0.0030	mg/L	1	11/15/2002
Zinc	1.2	0.010	mg/L	1	11/15/2002
MERCURY BY COLD VAPO	R TECHNIQUE				•
	(EPA 7470)		EPA 7470A		
RunlD: AA1_021114D	QC Batch: 11363	3			. Analyst: NS
Mercury	0.38	0.20	μg/L	1	11/14/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

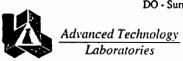
DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Page 4 of 6 Results are wet unless otherwise specified



Date: 15-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

059934

Project:

Bloomfield Business Center, 203571006

Lab ID:

059934-001D

Client Sample ID: UST-1-111402

Collection Date: 11/14/2002 9:15:00 AM

Matrix: WATER

Analyses

Limit Qual Units

DF

Date Analyzed

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID:

GC6_021114A

QC Batch:

102VW170

Analyst: JPC

GRO

2.3

Result

0.20

mg/L

1

11/14/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

Results are wet unless otherwise specified

E - Value above quantitation range

Page 5 of 6



Advanced Technology Laboratories

Date: 15-Nov-02

CLIENT: Lab Order: Ninyo & Moore

059934-001E

059934

Project: Lab ID: Bloomfield Business Center, 203571006

Client Sample ID: UST-1-111402

Collection Date: 11/14/2002 9:15:00 AM

Matrix: WATER

Analys	es	Result	Limit	Qual Units	DF	Date Analyzed
DIESE	L RANGE ORGANIC	S BY GC/FID (EPA 3510C)		EPA 8015B(M)		
RunID:	GC7_021114B	QC Batch:	11369	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Analyst: IG
Diesel		120	80	mg/L	200	11/14/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

Results are wet unless otherwise specified

E - Value above quantitation range

Page 6 of 6



Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90807 (562) 989-4045 • Fax (562) 989-4040	P.O.#:		14/02			Wa Co UP FE AT	alk-in urier S D. EXI	Transpo		1. CHILLED 2. HEADSPAC 3. CONTAINER	<u></u> ኒዕ <i>ቴ</i> ር (VOA)	Y 2' Y 0	N 🗆 6.	SEALED # OF SPI PRESE	D LS MATC RVED	YY 2000 H	ø n 🗆
Client: Ninyo + Nioore		Address		_	Scolde	evel	וטל	te ZOC	2	7. 6	· Gar	- #1				-7070	
Attn: Paul Ruberts	Droingt #:	City	Irvi		ampler:	→(Print	ed Nam	State (<u> </u>	Zip C	ode 926 Signa		FAX:(747)735	-7071	
Project Name: Blownield Business Ce	euter Project #: 203	35710	06			Kick	ard	Steve		1 /	4/	>C	2				
Relinquished by: (Signature and Printed Name)	1000 Date: 11/1	14/02.	1000	2:5	1	ب برس		d Printed Nam		Count CAR	rea	<u> </u>	Date	14/14	102	Time: 20	2571i
Relinquished by: (Signature and Printed Narge)	Date :	14/02	Time:	000				d Printed Nam	-100	SMI	1/		Date:	1//10	107	Time: /	oopm
Relinquished by: (Signature and Printed Name) I hereby authorize ATL to perform the work S	Soci Pened To:									I Instructions/Co	-mments		Date.		·	ime.	–
Project Mg / Submitter: Richard Stateus: Print Name Date A	Send Report To: Attn: Same As Clie Co: Address City State	ent 	Attn: Co: Address	s	ne As	State_	zn F		Special	Instructions/Oc	mments:						
Unless otherwise requested, all samples will be disposed 45 days after receipt	sposal; ndard		Circle or Analysis Reques	r Add s(es) /		8 (8) S					/		APPRO			Q A / RTNE RWQCB WIP	
*\$10.00 FEE PE	Sample Description	OSAL.	Ta)				//	///	//					Contair	ner(s)	NAVY CT OTHER	
=	imple I.D. Date	Time	/ \$\T\$	¥ & X]	//	///	///				TAT	# T	ype	REMA	ARKS
059934-001 UST-1-	111402 1/11/02	9:15	ΧX		XX					X			Α		%	1	
		1	- -		-			++	++		 	\dashv		_	++	 	
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• TAT starts 8 a.m. following day if samples received after 5 p.m.	: A= Overnight B= Eme Next cainer Types: T=Tube V=V	ergency t workday		'= 2 V	tical Vorkday			Jrgent 3 Workd G=G			tine orkdays M-Meta	H=		N=HNC		H : SO: (H T=Na	

December 03, 2002

Paul Roberts
Ninyo & Moore
475 Goddard Suite 200
Irvine, CA 92618

TEL: (949) 753-7070 FAX: (949) 753-7071

RE: Bloomfield Business Center, 203571006

Attention: Paul Roberts

ELAP No.: 1838

NELAP No.: 02107CA

Workorder No.: 060026

Enclosed are the results for sample(s) received on November 20, 2002 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

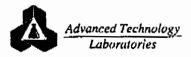
Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez Laboratory/Director

This cover letter is an integral part of this analytical report.



Date: 12/3/2002

HEXAVALENT CHROMIUM **EPA 7196A**

CLIENT:

Ninyo & Moore

Project: Project No:

PO No:

Bloomfield Business Center, 203571006

060026

Date Received:

Lab Order:

11/20/2002 4:00:

Matrix;

Soil

Analyst:

JΥ

•	Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed	•
•	060026-001A	7 A	ND	ту/Кд	R23140	0.1	1	11/20/2002	12/3/2002	•
	060026-002A	7 B	ND	mg/Kg	R23140	0.1	ı	11/20/2002	12/3/2002	
,	060026-005A	7C	ND	mg/Kg	R23140	0.1	1	11/20/2002	12/3/2002	
	060026-006A	. 7D	ND	mg/Kg	R23140	0.1	1	11/20/2002	12/3/2002	
	060026-007A	7E	ND	mg/Kg	R23140	0.1	1	11/20/2002	12/3/2002	
	060026-008A	7 F	ND	mg/K.g	R23140	0.1	1	11/20/2002	12/3/2002	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified



Rachelle

<< File: 60026withvoc.xls >>

From:

Wednesday, November 27, 2002 8:55 AM Sent: Rachelle To: Subject: ADD for 60026 Project: Bloomfield Business Center Lab Order: 060026 Please run analysis for hexavalent Chromium on samples 7A, 7B, 7C, 7D, 7E, 7f. Please exclude SP1 and B1. Results by Tues, Dec. 3. Thank you. Ruth L. Cheung Staff Environmental Scientist Ninyo & Moore (949) 753-7070 x2273 > ----Original Message----Rachelle [SMTP:Rachelle@ATLGlobal.com] > From: Monday, November 25, 2002 9:00 AM > Sent: > To: Ruth L. Cheung > Subject: Excel File <<60026withvoc.xls>> > Rachelle Arada > Project Coordinator > www.atlglobal.com > voice: 562.989.4045 ext 237 > fax : 562.989.4040

Ruth L. Cheung [rcheung@ninyoandmoore.com]

December 02, 2002

Paul Roberts Ninyo & Moore 475 Goddard Suite 200 Irvine, CA 92618 TEL: (949) 753-7070

TEL: (949) 753-7070 FAX: (949) 753-7071

RE: Bloomfield Business Center, 203571006

Attention: Paul Roberts

ELAP No.: 1838

NELAP No.: 02107CA

Workorder No.: 060026

Enclosed are the results for sample(s) received on November 20, 2002 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez Laboratory Director

This cover letter is an integral part of this analytical report.



Date: 02-Dec-02

CLIENT:

Ninyo & Moore

060026-004

060026 Lab Order:

Client Sample ID: B1 Collection Date: 11/20/2002 1:45:00 PM

Project: Lab ID:

Analyses

Bloomfield Business Center, 203571006

Result

Limit Qual Units

Matrix: SOIL DF

Date Analyzed

LEAD BY ATOMIC ABSORPTION BY STLC

(WET)

WET/ EPA 7420

RuniD: AA2_021127D

QC Batch:

11521

Analyst: JT

Lead

0.93

NĎ

0.20

11/27/2002

LEAD BY ATOMIC ABSORPTION BY TCLP

AA2 021127A

(EPA 3010A)

EPA 1311/7420

0.20

Analyst: JT

RuniD: Lead

QC Batch:

11527

mg/Ļ

mg/L

11/27/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

• - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Page 1 of 1



Advanced Technology Laboratories

Paul Roberts

From:

Paul Roberts

Sent:

Saturday, November 23, 2002 8:03 AM

To:

'rachelle@atlglobal.com'

Subject:

Additional Analyses, Bloomfield Business Center Property

Rachelle:

Please run sample B1 for soluble lead using WET and TCLP methods. Thanks.

Sincerely, Ninyo & Moore

Paul A. Roberts, R.G., R.E.A. I/II Senior Environmental Geologist

Ninyo & Moore 475 Goddard, Suite 200 Irvine, California 92618 Phone: 949-753-7070, Ex. 2205 FAX: 949-753-7071 Cel: 949-697-2198

November 22, 2002

Paul Roberts
Ninyo & Moore
475 Goddard Suite 200
Irvine, CA 92618
TEL: (040) 752 7070

TEL: (949) 753-7070 FAX: (949) 753-7071

RE: Bloomfield Business Center, 203571006

Attention: Paul Roberts

ELAP No.: 1838

NELAP No.: 02107CA

Workorder No.: 060026

Enclosed are the results for sample(s) received on November 20, 2002 by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

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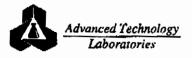
Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Kodriguez

Laboratory Director

This cover letter is an Integral part of this analytical report.



Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7A

Lab Order:

060026

Project:

Lab ID:

Bloomfield Business Center, 203571006

060026-001A

Collection Date: 11/20/2002 2:30:00 PM

Matrix: SOIL

Analyses		Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS							
	(EPA	3050A)		E	PA 6010B		
RunID: ICP2_0211	21A Q	C Batch: 1	1463				Analyst: RQ
Antimony		0.50	0.25		mg/Kg	1	11/21/2002
Arsenic		7.5	0.25		mg/Kg	1	11/21/2002
Barium		100	0.15		mg/Kg	1	11/21/2002
Beryllium		ND	0.15		mg/Kg	1	11/21/2002
Cadmium		ND	0.15		mg/Kg	1	11/21/2002
Chromium		17	0.15		mg/Kg	1	11/21/2002
Cobalt		8.0	0.15		mg/Kg	1	11/21/2002
Copper		20	0.15		mg/Kg	1	11/21/2002
Lead		28	0.25		mg/Kg	1	11/21/2002
Molybdenum		1.0	0.25		mg/Kg	1	11/21/2002
Nickel		13	0.15		mg/Kg	1	11/21/2002
Selenium		ND	0.25		mg/Kg	1	11/21/2002
Silver		ND	0.15		mg/Kg	1	11/21/2002
Thallium		1.0	0.25		mg/Kg	1	11/21/2002
Vanadium		30	0.15		mg/Kg	1	11/21/2002
Zinc		46	0.50		mg/Kg	1	11/21/2002
DIESEL RANGE O	RGANICS BY GC/F	D					
	(LUF	Τ)		EP	A 8015B(M)		
RunID: GC7_02112	20A Q	C Batch: 1	1448				Analyst: IG
Diesel		11000	100		mg/Kg	10	11/20/2002
HYDROCARBON (CHAIN IDENTIFICAT	ION					
	(LUF	Γ)		E	PA 8015B		
RunID: GC7_02112	20A Q	C Batch: 1	1448				Analyst: IG
T/R Hydrocarbons:	>C32	2400	100		mg/Kg	10	11/20/2002
T/R Hydrocarbons:		2500	100		mg/Kg	10	11/20/2002
T/R Hydrocarbons:		2200	100		mg/Kg	10	11/20/2002
T/R Hydrocarbons:		4800	100		mg/Kg	10	11/20/2002
T/R Hydrocarbons:	C23-C32	9500	100		mg/Kg	10	11/20/2002
PCB BY GC/ECD							
	(EPA	3550B)		E	PA 8082		
RunID: GC5_02112	20A Q	C Batch: 1	1449				Analyst: EES
Aroclor 1016		ND	33		μg/Kg	1	11/20/2002
Qualifiers: N	D - Not Detected at the R	eporting Limit		S - Spik	e/Surrogate outsi	de of limits due	to matrix interferen
J	- Analyte detected below	quantitation limi	ts	H - Sam	ple exceeded ana	lytical holding	time
	- Analyte detected in the	•			e above quantita		
D	O - Surrogate Diluted Ou	t		Results	are wet unless o	therwise specif	ied Page 1 of 56
							_

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7A

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 2:30:00 PM

Lab ID:

060026-001A

Matrix: SOIL

Analys	es	Res	ult	Limit	Qual	Units	DF	Date Analyzed
PCB BY	Y GC/ECD							
		(EPA 3550B)			E	PA 8082		
RunID:	GC5_021120A	QC Batch:	11449					Analyst: EE
Aroclo	r 1221		ND	67		μg/Kg	1	11/20/2002
Aroclo	г 1232		ND	33		μg/Kg	1	11/20/2002
Aroclo	r 1242		ND	33		μg/Kg	1	11/20/2002
Aroclo	r 1248		ND	33		μg/Kg	1	11/20/2002
Aroclo	г 1254		ND	33		μg/Kg	1	11/20/2002
Aroclo	r 1260		ND	33		μg/Kg	1	11/20/2002
Aroclo	r 1262		ND	33		μg/Kg	1	11/20/2002
Aroclo	r 1268		ND	33		μg/Kg	1	11/20/2002
MERCU	JRY BY COLD VAPO	R TECHNIQUE						
		(EPA 7471)			EP	A 7471A		
RunID:	AA1_021121A	QC Batch:	11464					Analyst: NS
Mercui	ry		ND	0.10	1	mg/Kg	1	11/21/2002
SEMIVO	DLATILE ORGANIC	COMPOUNDS BY	C/MS					
		(EPA 3550B)			EP	A 8270C		
RunID:	MS6_021120A	QC Batch:	11459					Analyst: IG
1,2,4-T	richlorobenzene		ND	6600	1	µg/Kg	10	11/20/2002
1,2-Dic	chlorobenzene		ND	6600		μg/Kg	10	11/20/2002
1,3-Dic	chlorobenzene		ND	6600		μg/Kg	10	11/20/2002
1,4-Dic	chlorobenzene		ND	6600		µg/Kg	10	11/20/2002
2,4,5-T	Frichtorophenol		ND	6600	1	µg/Kg	10	11/20/2002
2,4,6-T	richlorophenol		ND	6600		μg/Kg	10	11/20/2002
2,4-Dic	chlorophenol		ND	33000	1	μg/Kg	10	11/20/2002
2,4-Dir	nethylphenol		ND	6600	1	μg/Kg	10	11/20/2002
2,4-Dir	itrophenol		ND	33000	1	µg/Kg	10	11/20/2002
2,4-Dir	nitrotoluene		ND	6600	1	μg/Kg	10	11/20/2002
2,6-Dir	nitrotoluene		ND	6600		µg/Kg	10	11/20/2002
2-Chlo	ronaphthalene		ND	6600		µg/Kg	10	11/20/2002
2-Chlo	rophenol		ND	6600		µg/Kg	10	11/20/2002
	ylnaphthalene	190	000	6600		μg/Kg	10	11/20/2002
	ylphenol		ND	6600		μg/Kg	10	11/20/2002
2-Nitro			ND	33000		μg/Kg	10	11/20/2002
2-Nitro	phenol		ND	6600		µg/Kg	10	11/20/2002
	chlorobenzidine		ND	13000		µg/Kg	10	11/20/2002
						ug/Kg		

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike/Surrogate outside of limits due to matrix interferen

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

Results are wet unless otherwise specified

Page 2 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7A

Lab Order:

060026

b Older. 00002

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 2:30:00 PM

Lab ID: 060026-001A

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC CO						
	(EPA 3550B)		El	PA 8270C		
RunID: MS6_021120A	QC Batch: 11459	9				Analyst: IG
4,6-Dinitro-2-methylphenol	ND	33000		μg/Kg	10	11/20/2002
4-Bromophenyl-phenylether	ND	6600		μg/Kg	10	11/20/2002
4-Chloro-3-methylphenol	ND	13000		μg/Kg	10	11/20/2002
4-Chloroaniline	ND	13000		μg/Kg	10	11/20/2002
4-Chlorophenyl-phenylether	ND	6600		μg/Kg	10	11/20/2002
4-Methylphenol	ND	6600		µg/Kg	10	11/20/2002
4-Nitroaniline	ND	33000		µg/Kg	10	11/20/2002
4-Nitrophenol	ND	33000		µg/Kg	10	11/20/2002
Acenaphthene	ND	6600		µg/Kg	10	11/20/2002
Acenaphthylene	ND	6600		μg/Kg	10	11/20/2002
Anthracene	ND	6600		μg/Kg	10	11/20/2002
Benzidine (M)	ND	33000		μg/Kg	10	11/20/2002
Benzo(a)anthracene	ND	6600		μg/Kg	10	11/20/2002
Benzo(a)pyrene	ND	6600		μg/Kg	10	11/20/2002
Benzo(b)fluoranthene	ND	6600		μg/Kg	10	11/20/2002
Benzo(g,h,i)perylene	ND	6600		μg/Kg	10	11/20/2002
Benzo(k)fluoranthene	ND	6600		μg/Kg	10	11/20/2002
Benzoic acid	ND	33000		μg/Kg	10	11/20/2002
Benzyl alcohol	ND	13000		μg/Kg	10	11/20/2002
Bis(2-chloroethoxy)methane	ND	6600		μg/Kg	10	11/20/2002
Bis(2-chloroethyl)ether	ND	6600		μg/Kg	10	11/20/2002
Bis(2-chloroisopropyl)ether	ND	6600		μg/Kg	10	11/20/2002
Bis(2-ethylhexyl)phthalate	ND	6600		μg/Kg	10	11/20/2002
Butylbenzylphthalate	ND	6600		μg/Kg	10	11/20/2002
Chrysene	ND	6600		μg/Kg	10	11/20/2002
Di-n-butylphthalate	ND	6600		μg/Kg	10	11/20/2002
Di-n-octylphthalate	ND	6600		μg/Kg	10	11/20/2002
Dibenz(a,h)anthracene	ND	6600		μ g /Kg	10	11/20/2002
Dibenzofuran	ND	6600		μg/Kg	10	11/20/2002
Diethylphthalate	ND	6600		μg/Kg	10	11/20/2002
Dimethylphthalate	ND	6600		μg/Kg	10	11/20/2002
Fluoranthene	ND	6600		μg/Kg	10	11/20/2002
Fluorene	ND	6600		μg/Kg	10	11/20/2002
Hexachlorobenzene	ND	6600		μg/Kg	10	11/20/2002
Hexachlorobutadiene	ND	13000		μg/Kg	10	11/20/2002
Hexachlorocyclopentadiene	ND	13000		μg/Kg	10	11/20/2002
Hexachloroethane	ND	6600		μ g /Kg	10	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike/Surrogate outside of limits due to matrix interferen

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank

E - Value above quantitation range Results are wet unless otherwise specified

Page 3 of 56

DO - Surrogate Diluted Out

Date: 22-Nov-02

CLIENT: Lab Order: Ninyo & Moore

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-001A

Client Sample ID: 7A

Collection Date: 11/20/2002 2:30:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC	COMPOUNDS BY GC/	MS			
	(EPA 3550B)		EPA 82700	;	
RunID: MS6_021120A	QC Batch:	11459			Analyst: IG
Indeno(1,2,3-cd)pyrene	ND	6600	μg/Kg	10	11/20/2002
Isophorone	ND	6600	μg/Kg	10	11/20/2002
N-Nitrosodi-n-propylamine	ND	6600	μg/Kg	10	11/20/2002
N-Nitrosodiphenylamine	ND	6600	μg/Kg	10	11/20/2002
Naphthalene	7000	6600	μg/Kg	10	11/20/2002
Nitrobenzene	ND	6600	μg/Kg	10	11/20/2002
Pentachlorophenol	ND	33000	μg/Kg	10	11/20/2002
Phenanthrene	ND	6600	μg/Kg	10	11/20/2002
Phenol	ND	6600	μg/Kg	10	11/20/2002
Pyrene	ND	6600	μg/Kg	10	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 4 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7A

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID: 060026-001B

Collection Date: 11/20/2002 2:30:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC	MS PLUS OXYGENATI	ES			
			8260+QX		
RunID: MS3_021120A	QC Batch: R02	VS144			Analyst: GG
1,1,1,2-Tetrachloroethane	ND	4.1	μg/Kg	1	11/20/2002
1,1,1-Trichloroethane	8800	250	μg/Kg	50	11/21/2002
1,1,2,2-Tetrachloroethane	ND	4.1	μg/Kg	1	11/20/2002
1,1,2-Trichloroethane	ND	4.1	μg/Kg	1	11/20/2002
1,1-Dichloroethane	1100	250	μg/Kg	50	11/21/2002
1,1-Dichloroethene	5.3	4.1	μg/Kg	1	11/20/2002
1,1-Dichloropropene	ND	4.1	μg/Kg	1	11/20/2002
1,2,3-Trichlorobenzene	ND	4.1	μg/Kg	1	11/20/2002
1,2,3-Trichloropropane	ND	4.1	μg/Kg	1	11/20/2002
1,2,4-Trichlorobenzene	ND	4.1	μg/Kg	1	11/20/2002
1,2,4-Trimethylbenzene	45000	5000	μg/Kg	1000	11/21/2002
1,2-Dibromo-3-chloropropane	ND	4.1	μg/Kg	1	11/20/2002
1,2-Dibromoethane	ND	4.1	μg/Kg	1	11/20/2002
1,2-Dichlorobenzene	320	4.1	μg/Kg	1	11/20/2002
1,2-Dichloroethane	ND	4.1	μg/Kg	1	11/20/2002
1,2-Dichloropropane	ND	4.1	μ g /Kg	1	11/20/2002
1,3,5-Trimethylbenzene	14000	250	μg/Kg	50	11/21/2002
1,3-Dichlorobenzene	ND	4.1	μg/Kg	1	11/20/2002
1,3-Dichloropropane	ND	4.1	μg/Kg	1	11/20/2002
1,4-Dichlorobenzene	ND	4.1	μg/Kg	1	11/20/2002
2,2-Dichloropropane	ND	4.1	μg/Kg	1	11/20/2002
2-Chlorotoluene	ND	4.1	μg/Kg	1	11/20/2002
4-Chlorotoluene	ND	4.1	μ g/K g	1	11/20/2002
4-Isopropyltoluene	170	4.1	μg/Kg	1	11/20/2002
Benzene	29	4.1	μg/Kg	. 1	11/20/2002
Вготоветие	ND	4.1	μg/Kg	1	11/20/2002
Bromodichloromethane	ND	4.1	μg/Kg	1	11/20/2002
Bromoform	ND	4.1	μg/Kg	1	11/20/2002
Bromomethane	ND	4.1	μg/Kg	- 1	11/20/2002
Carbon tetrachloride	ND	4.1	μg/Kg	1	11/20/2002
Chlorobenzene	ND	4.1	μg/Kg	1	11/20/2002
Chloroethane	ND	4.1	μg/Kg	1	11/20/2002
Chloroform	ND	4.1	μg/Kg	1	11/20/2002
Chloromethane	ND	4.1	μg/Kg	1	11/20/2002
cis-1,2-Dichloroethene	84	4.1	μg/Kg	1	11/20/2002
cis-1,3-Dichloropropene	ND	4.1	μg/Kg	1	11/20/2002
Di-isopropyl ether	ND	4.1	μg/Kg	1	11/20/2002

Qualifiers:

Results are wet unless otherwise specified

Page 5 of 56

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-001B

Client Sample ID: 7A

.

Collection Date: 11/20/2002 2:30:00 PM

Matrix: SOIL

Analyses		Result	t Limit	Qual Units	DF	Date Analyzed
VOLATILE OR	GANICS BY GO	C/MS PLUS OXYGE	NATES			
				8260+O	x	
RunID: MS3_0	021120A	QC Batch:	R02VS144			Analyst: GG
Dibromochloro	methane	ND	4.1	μg/Kg	1	11/20/2002
Dibromometha	ine	ND	4.1	μg/Kg	1	11/20/2002
Dichlorodifluore	omethane	ND	4.1	μg/Kg	1	11/20/2002
Ethyl tert-butyl	ether	ND	4.1	μg/Kg	1	11/20/2002
Ethylbenzene		21000	5000	μg/Kg	1000	11/21/2002
Hexachlorobuta	adiene	ND	4.1	μg/Kg	1	11/20/2002
Isopropylbenze	ene	5500	250	μg/Kg	50	11/21/2002
m,p-Xylene		84000	5000	μg/Kg	1000	11/21/2002
Methylene chic	oride	ND	4.1	μg/Kg	1	11/20/2002
MTBE		ND	4.1	μ g/Kg	1	11/20/2002
n-Butylbenzene	e	170	4.1	μg/Kg	1	11/20/2002
n-Propylbenze	ne	8500	250	μg/Kg	50	11/21/2002
Naphthalene		14000	250	μg/Kg	50	11/21/2002
o-Xylene		30000	5000	μg/Kg	1000	11/21/2002
sec-Butylbenze	ene	130	4.1	μg/Kg	1	11/20/2002
Styrene		ND	4.1	μg/Kg	1	11/20/2002
Tert-amyl meth	nyl ether	ND	4.1	μg/Kg	1	11/20/2002
Tert-Butanol		ND	82	μg/Kg	1	11/20/2002
tert-Butylbenze	ene	ND	4.1	μg/Kg	1	11/20/2002
Tetrachloroethe	ene	ND	4.1	µg/Kg	1	11/20/2002
Toluene		16000	250	µg/Kg	50	11/21/2002
trans-1,2-Dichle	oroethene	ND	4.1	μg/Kg	1	11/20/2002
Trichloroethene	e	57	4.1	μg/Kg	1	11/20/2002
Trichlorofluoro	methane	ND	4.1	μg/Kg	1	11/20/2002
Vinyl chloride		ND	4.1	μg/Kg	1	11/20/2002

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ND - Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Page 6 of 56

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Date: 22-Nov-02

CLIENT: Lab Order: Ninyo & Moore

T/R Hydrocarbons: C5-C12

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-001C

Client Sample ID: 7A

Collection Date: 11/20/2002 2:30:00 PM

11/21/2002

Matrix: SOIL

50

Analys	es	Resu	lt Limi	t Qual	Units	DF	Date Analyzed
GASOL	INE RANGE ORGANICS B	Y GC/FID					
				EP	A 8015B(M)		
RunID:	GC2_021121A	QC Batch:	E02V\$293				Analyst: GG
GRO		120	0 5	ס	mg/Kg	50	11/21/2002
HYDRO	CARBON CHAIN IDENTIFIC	ATION BY E	NCORE				
				E	PA 8015B		
RunID:	GC2_021121A	QC Batch:	E02VS293				Analyst: GG

50

mg/Kg

1200

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 7 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

060026

Lab Order: Project:

Bloomfield Business Center, 203571006 Lab ID: 060026-002A

Client Sample ID: 7B

Collection Date: 11/20/2002 2:35:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ICP METALS					
	(EPA 3050A)		EPA 6010B		
RunID: ICP2_021121A	QC Batch: 1	1463			Analyst: RQ
Antimony	0.50	0.25	mg/Kg	1	11/21/2002
Arsenic	11	0.25	mg/Kg	1	11/21/2002
Barium	120	0.15	mg/Kg	1	11/21/2002
Beryllium	ND	0.15	mg/Kg	1	11/21/2002
Cadmium	ND	0.15	mg/Kg	1	11/21/2002
Chromium	21	0.15	mg/Kg	1	11/21/2002
Cobalt	9.5	0.15	mg/Kg	1	11/21/2002
Copper	24	0.15	mg/Kg	1	11/21/2002
Lead	6.5	0.25	mg/Kg	1	11/21/2002
Molybdenum	0.50	0.25	mg/Kg	1	11/21/2002
Nickel	16	0.15	mg/Kg	1	11/21/2002
Selenium	ND	0.25	mg/Kg	1 -	11/21/2002
Silver	ND	0.15	mg/Kg	1	11/21/2002
Thallium	1.5	0.25	mg/Kg	1	11/21/2002
Vanadium	36	0.15	mg/Kg	1	11/21/2002
Zinc	46	0.50	mg/Kg	1	11/21/2002
DIESEL RANGE ORGANIC	S BY GC/FID				
	(LUFT)		EPA 8015B(M)	•	
RunID: GC7_021120A	QC Batch: 1	1448			Analyst: IG
Diesel	9100	100	mg/Kg	10	11/20/2002
HYDROCARBON CHAIN II	DENTIFICATION				
	(LUFT)		EPA 8015B		
RunID: GC7_021120A	QC Batch: 1	1448			Analyst: IG
T/R Hydrocarbons: >C32	2000	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C10-C12	1800	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C13-C15	2300	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C16-C22	4900	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C23-C32	8200	100	mg/Kg	10	11/20/2002
PCB BY GC/ECD					
	(EPA 3550B)		EPA 8082		
RunID: GC5_021120A	QC Batch: 1	1449			Analyst: EES
Aroclor 1016	ND	33	μg/Kg	1	11/21/2002
Qualifiers: ND - Not D	etected at the Reporting Limit		S - Spike/Surrogate ou	tside of limits due to	matrix interferen
J - Analyte	detected below quantitation limi	ts	H - Sample exceeded a		
	detected in the associated Meth-		E - Value above quanti	-	
· · · · · · · · · · · · · · · · · · ·	gate Diluted Out		Results are wet unless	•	Page 8 of 56
34110			univo	openine	

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7B

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 2:35:00 PM

Lab ID:

060026-002A

Matrix: SOIL

Lab ID: 060026-002A				Matrix: SOIL					
Analyses		Resu	lt	Limit	Qual	Units	DF	Date Analyzed	
PCB BY GC/E	CD								
	(EI	PA 3550B)			I	EPA 8082			
RunID: GC5_0	21120A	QC Batch:	11449					Analyst: EES	
Aroclor 1221		N	ID	67		μg/Kg	1	11/21/2002	
Aroclor 1232		N	ID	33		μg/Kg	1	11/21/2002	
Aroclor 1242		13	30	33		μg/Kg	1	11/21/2002	
Aroclor 1248		N	ID	33		μg/Kg	1	11/21/2002	
Aroclor 1254		N	ID	33		μg/Kg	1	11/21/2002	
Aroclor 1260		N	ID	33		μg/Kg	1	11/21/2002	
Aroclor 1262		N	ID	33		μg/Kg	1	11/21/2002	
Aroclor 1268		N	ID	33		μg/Kg	1	11/21/2002	
MERCURY BY	COLD VAPOR TECH	NIQUE							
		PA 7471)			E	PA 7471A			
RunID: AA1_0	21121A	QC Batch:	11464					Analyst: NS	
Mercury		N	D	0.10		mg/Kg	1	11/21/2002	
SEMIVOLATILI	E ORGANIC COMPO	UNDS BY GO	C/MS						
		PA 3550B)			E	PA 8270C			
RunID: MS6_0	21120A	QC Batch:	11459					Analyst: IG	
1,2,4-Trichlorob	enzene	N	D	6600		μg/Kg	10	11/20/2002	
1,2-Dichlorober	nzene	N	D	6600		μg/Kg	10	11/20/2002	
1,3-Dichlorober	zene	N	D	6600		μg/Kg	10	11/20/2002	
1,4-Dichlorober	zene	N	D	6600		μg/Kg	10	11/20/2002	
2,4,5-Trichlorop	henol	N	D	6600		μg/Kg	10	11/20/2002	
2,4,6-Trichlorop		N	D	6600		μg/Kg	10	11/20/2002	
2,4-Dichlorophe		N	D	33000		μg/Kg	10	11/20/2002	
2,4-Dimethylpho		N	D	6600		μg/Kg	10	11/20/2002	
2,4-Dinitrophen		N	D	33000		μg/Kg	10	11/20/2002	
2,4-Dinitrotolue		N		6600		μg/Kg	10	11/20/2002	
2,6-Dinitrotolue	ne	N	D	6600		µg/Kg	10	11/20/2002	
2-Chloronaphth		Ņ		6600		μg/Kg	10	11/20/2002	
2-Chlorophenol		N		6600		μg/Kg	10	11/20/2002	
2-Methylnaphth		2100		6600		µg/Kg	10	11/20/2002	
2-Methylphenol		N		6600		μg/Kg	10	11/20/2002	
2-Nitroaniline		N		33000		μg/Kg	10	11/20/2002	
2-Nitrophenol		N		6600		μg/Kg	10	11/20/2002	
3,3'-Dichlorober	nzidine	N		13000		μg/Kg	10	11/20/2002	
3-Nitroaniline		N		33000		μg/Kg	10	11/20/2002	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified Pa

Page 9 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

060026

Lab Order: Lab ID:

060026-002A

Project:

Bloomfield Business Center, 203571006

Client Sample ID: 7B

Collection Date: 11/20/2002 2:35:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC CO	MPOUNDS BY GC/MS					
	(EPA 3550B)		E	PA 8270C		•
RunID: MS6_021120A	QC Batch: 1145	9				Analyst: IG
4,6-Dinitro-2-methylphenol	ND	33000		μg/Kg	10	11/20/2002
4-Bromophenyl-phenylether	ND	6600		μg/Kg	10	11/20/2002
4-Chloro-3-methylphenol	ND	13000		μg/Kg	10	11/20/2002
4-Chloroaniline	ND	13000		μg/Kg	10	11/20/2002
4-Chlorophenyl-phenylether	ND	6600		μg/Kg	10	11/20/2002
4-Methylphenol	ND	6600		μg/Kg	10	11/20/2002
4-Nitroaniline	ND	33000		μ g /Kg	10	11/20/2002
4-Nitrophenol	ND	33000		μg/Kg	10	11/20/2002
Acenaphthene	ND	6600		μg/Kg	10	11/20/2002
Acenaphthylene	ND	6600		μg/Kg	10	11/20/2002
Anthracene	ND	6600		μg/Kg	10	11/20/2002
Benzidine (M)	ND	33000		μg/Kg	10	11/20/2002
Benzo(a)anthracene	ND	6600		μg/Kg	10	11/20/2002
Benzo(a)pyrene	ND	6600		μg/Kg	10	11/20/2002
Benzo(b)fluoranthene	ND	6600		μg/Kg	10	11/20/2002
Benzo(g,h,i)perylene	ND	6600		μg/Kg	10	11/20/2002
Benzo(k)fluoranthene	ND	6600		μg/Kg	10	11/20/2002
Benzoic acid	ND	33000		μg/Kg	10	11/20/2002
Benzyl alcohol	ND	13000		µg/Kg	10	11/20/2002
Bis(2-chloroethoxy)methane	ND	6600		μg/Kg	10	11/20/2002
Bis(2-chloroethyl)ether	ND	6600		μg/Kg	10	11/20/2002
Bis(2-chloroisopropyl)ether	ND	6600		μg/Kg	10	11/20/2002
Bis(2-ethylhexyl)phthalate	ND	6600		μg/Kg	10	11/20/2002
Butylbenzylphthalate	ND	6600		μg/Kg	10	11/20/2002
Chrysene	ND	6600		μg/Kg	10	11/20/2002
Di-n-butylphthalate	ND	6600		μg/Kg	10	11/20/2002
Di-n-octylphthalate	ND	6600		μg/Kg	10	11/20/2002
Dibenz(a,h)anthracene	ND	6600		μg/Kg	10	11/20/2002
Dibenzofuran	ND	6600		μg/Kg	10	11/20/2002
Diethylphthalate	ND	6600		μg/Kg	10	11/20/2002
Dimethylphthalate	ND	6600		μg/Kg	10	11/20/2002
Fluoranthene	ND	6600		μg/Kg	10	11/20/2002
Fluorene	ND	6600		μg/Kg	10	11/20/2002
Hexachlorobenzene	ND	6600		μg/Kg	10	11/20/2002
Hexachlorobutadiene	ND	13000		μg/Kg	10	11/20/2002
Hexachlorocyclopentadiene	ND	13000		μg/Kg	10	11/20/2002
Hexachloroethane	ND	6600		μg/Kg	10	11/20/2002

Qualifiers:

S - Spike/Surrogate outside of limits due to matrix interferen

Results are wet unless otherwise specified

Page 10 of 56

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7B

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 2:35:00 PM

Lab ID:

060026-002A

Matrix: SOIL

Analyses	Re	sult	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC C	OMPOUNDS BY ((EPA 3550B)	GC/MS		E	PA 8270C		
RunID: MS6_021120A	QC Batch:	11459					Analyst: IG
Indeno(1,2,3-cd)pyrene		ND	6600		μg/Kg	10	11/20/2002
Isophorone		ND	6600		µg/Kg	10	11/20/2002
N-Nitrosodi-n-propylamine		ND	6600		μg/Kg	10	11/20/2002
N-Nitrosodiphenylamine		ND	6600		μg/Kg	10	11/20/2002
Naphthalene		ND	6600		μg/Kg	10	11/20/2002
Nitrobenzene		ND	6600		μg/Kg	10	11/20/2002
Pentachlorophenol		ND	33000		μg/Kg	10	11/20/2002
Phenanthrene		ND	6600		μg/Kg	10	11/20/2002
Phenol		ND	6600		μg/Kg	10	11/20/2002
Ругеле		ND	6600		μg/Kg	10	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 11 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

060026-002B

Client Sample ID: 7B

Lab Order:

060026

Project:

Lab ID:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 2:35:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/	MS PLUS OXYGENAT	ES			
			8260+OX		
RunID: MS3_021120A	QC Batch: R02	VS144			Analyst: GG
1,1,1,2-Tetrachloroethane	ND	4.4	μg/Kg	1	11/20/2002
1,1,1-Trichloroethane	11000	250	μg/Kg	50	11/21/2002
1,1,2,2-Tetrachloroethane	ND	4,4	μg/K g	1	11/20/2002
1,1,2-Trichloroethane	ND	4.4	μg/Kg	1	11/20/2002
1,1-Dichloroethane	1300	250	μg/Kg	50	11/21/2002
1,1-Dichloroethene	5.1	4.4	μg/Kg	1	11/20/2002
1,1-Dichloropropene	ND	4.4	μ g /Kg	1	11/20/2002
1,2,3-Trichlorobenzene	ND	4.4	μg/Kg	1	11/20/2002
1,2,3-Trichloropropane	ND	4.4	μg/Kg	1	11/20/2002
1,2,4-Trichlorobenzene	ND	4.4	μg/Kg	1	11/20/2002
1,2,4-Trimethylbenzene	25000	5000	μ g /Kg	1000	11/21/2002
1,2-Dibromo-3-chloropropane	ND	4.4	μg/Kg	1	11/20/2002
1,2-Dibromoethane	ND	4.4	μg/Kg	1	11/20/2002
1,2-Dichlorobenzene	ND	4.4	μg/Kg	1	11/20/2002
1,2-Dichloroethane	ND	4.4	μg/Kg	1	11/20/2002
1,2-Dichloropropane	ND	4.4	μg/Kg	1	11/20/2002
1,3,5-Trimethylbenzene	350	4.4	μ g /Kg	1	11/20/2002
1,3-Dichlorobenzene	ND	4.4	μg/Kg	1	11/20/2002
1,3-Dichloropropane	ND	4.4	μ g/K g	1	11/20/2002
1,4-Dichlorobenzene	ND	4.4	μg/Kg	1	11/20/2002
2,2-Dichloropropane	ND	4.4	μg/Kg	1	11/20/2002
2-Chlorotoluene	ND	4.4	μg/Kg	1	11/20/2002
4-Chlorotoluene	ND	4.4	μg/Kg	1	11/20/2002
4-Isopropyltoluene	64	4.4	μg/Kg	1	11/20/2002
Benzene	38	4.4	μg/Kg	1	11/20/2002
Bromobenzene	ND	4.4	μg/Kg	1	11/20/2002
Bromodichloromethane	ND	4.4	μg/Kg	1	11/20/2002
Bromoform	ND	4.4	μg/Kg	1	11/20/2002
Bromomethane	ND	4.4	μg/Kg	1	11/20/2002
Carbon tetrachloride	ND	4.4	μg/Kg	1	11/20/2002
Chlorobenzene	32	4.4	μg/Kg	1	11/20/2002
Chloroethane	ND	4.4	μg/Kg	1	11/20/2002
Chloroform	ND	4.4	μg/Kg	1	11/20/2002
Chloromethane	ND	4.4	μg/Kg	1	11/20/2002
cis-1,2-Dichloroethene	89	4.4	μg/Kg	1	11/20/2002
cis-1,3-Dichloropropene	ND	4.4	μg/Kg	1	11/20/2002
Di-isopropyl ether	ND	4.4	μg/Kg	1	11/20/2002

Qualifiers:

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J - Analyte detected below quantitation limits

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DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

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Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7B

Lab Order:

060026

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Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 2:35:00 PM

Lab ID:

060026-002B

Matrix: SOIL

Analyses	Result	Limit (Qual Units	DF	Date Analyzed
VOLATILE ORGANICS BY G	C/MS PLUS OXYGENA	TES			
			8260+OX		
RunID: MS3_021120A	QC Batch: R0)2VS144			Analyst: GG
Dibromochloromethane	ND	4.4	μg/Kg	1	11/20/2002
Dibromomethane	ND	4.4	μg/Kg	1	11/20/2002
Dichlorodifluoromethane	ND	4.4	μg/Kg	1	11/20/2002
Ethyl tert-butyl ether	ND	4.4	μg/Kg	1	11/20/2002
Ethylbenzene	19000	250	µg/Kg	50	11/21/2002
Hexachlorobutadiene	ND	4.4	μg/Kg	1	11/20/2002
Isopropylbenzene	180	4.4	μg/Kg	1	11/20/2002
m,p-Xylene	76000	5000	μg/Kg	1000	11/21/2002
Methylene chloride	ND	4.4	μg/Kg	1	11/20/2002
MTBE	ND	4.4	μg/Kg	1	11/20/2002
n-Butylbenzene	84	4.4	μg/Kg	1	11/20/2002
n-Propylbenzene	250	4.4	μg/Kg	1	11/20/2002
Naphthalene	380	4.4	μg/Kg	1	11/20/2002
o-Xylene	22000	5000	μ g /Kg	1000	11/21/2002
sec-Butylbenzene	53	4.4	μ g /Kg	1	11/20/2002
Styrene	ND	4.4	μ g/K g	1	11/20/2002
Tert-amyl methyl ether	ND	4.4	μg/Kg	1	11/20/2002
Tert-Butanol	ND	87	µg/Kg	1	11/20/2002
tert-Butylbenzene	ND	4.4	μg/Kg	1	11/20/2002
Tetrachloroethene	ND	4.4	μg/Kg	1	11/20/2002
Toluene	31000	5000	μg/Kg	1000	11/21/2002
trans-1,2-Dichloroethene	ND	4.4	μg/Kg	1	11/20/2002
Trichloroethene	45	4.4	μg/Kg	1	11/20/2002
Trichlorofluoromethane	ND	4.4	μg/Kg	1	11/20/2002
Vinyl chloride	ND	4.4	μg/Kg	1	11/20/2002

On	-1	n.	

ND - Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Page 13 of 56

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7B

Lab Order:

060026

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 2:35:00 PM

Project: Lab ID:

060026-002C

Matrix: SOIL

Analys	es	Resu	ılt Limit	Qual Units	DF	Date Analyzed
GASOL	INE RANGE ORGANIC	S BY GC/FID				
				EPA 8015B(N	l)	
RunID:	GC2_021121A	QC Batch:	E02V\$293			Analyst: GG
GRO		110	00 100	mg/Kg	100	11/21/2002
HYDRO	CARBON CHAIN IDEN	TIFICATION BY E	NCORE			
				EPA 8015B		
RunID:	GC2_021121A	QC Batch:	E02VS293			Analyst: GG
T/R Hy	vdrocarbons: C5-C12	110	00 100	mg/Kg	100	11/21/2002

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Page 14 of 56 Results are wet unless otherwise specified

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: SP1

Lab Order:

060026

Project: Lab ID:

Bloomfield Business Center, 203571006 060026-003A

Collection Date: 11/20/2002 3:15:00 PM

Matrix: SOIL

Analyses		Res	ult	Limit	Qual	Units	DF	Date Analyzed
ICP METALS	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
		(EPA 3050A)			E	PA 6010B		
RunID: ICP2_02	21121A	QC Batch:	11463					Analyst: RQ
Antimony		0	.50	0.25		mg/Kg	1	11/21/2002
Arsenic			7.4	0.25		mg/Kg	1	11/21/2002
Barium		1	90	0.15		mg/Kg	1	11/21/2002
Beryllium			ND	0.15		mg/Kg	1	11/21/2002
Cadmium			ND	0.15		mg/Kg	1	11/21/2002
Chromium			30	0.15		mg/Kg	1	11/21/2002
Cobalt			13	0.15		mg/Kg	1	11/21/2002
Copper			33	0.15		mg/Kg	1	11/21/2002
Lead			15	0.25		mg/Kg	1	11/21/2002
Molybdenum		0	.50	0.25		mg/Kg	1	11/21/2002
Nickel			22	0.15		mg/Kg	1	11/21/2002
Selenium			ND	0.25		mg/Kg	1	11/21/2002
Silver			ND	0.15		mg/Kg	1	11/21/2002
Thallium			1.5	0.25		mg/Kg	1	11/21/2002
Vanadium			48	0.15		mg/Kg	1	11/21/2002
Zinc			64	0.50		mg/Kg	1	11/21/2002
DIESEL RANGE	ORGANICS BY	GC/FID						
		(LUFT)			EPA	A 8015B(M)		
RunID: GC7_02	1120A	QC Batch:	11448					Analyst: IG
Diesel		46	000	50		mg/Kg	5	11/20/2002
HYDROCARBO	N CHAIN IDENT	IFICATION						
		(LUFT)			E	PA 8015B		
RunID: GC7_02	1120A	QC Batch:	11448					Analyst: iG
T/R Hydrocarbon	ns: >C32	10	00	50		mg/Kg	5	11/20/2002
T/R Hydrocarbon	ns: C10-C12	10	00	50		mg/Kg	5	11/20/2002
T/R Hydrocarbon	ns: C13-C15	13	00	50		mg/Kg	5	11/20/2002
T/R Hydrocarbon	ns: C16-C22	27	00	50		mg/Kg	5	11/20/2002
	ns: C23-C32	40	00	50		m g /Kg	5	11/20/2002
T/R Hydrocarbon	D							
_		(CDA SEESD)			E	PA 8082		
-		(EPA 3550B)						
PCB BY GC/ECI	1120A	QC Batch:	11449					Analyst: EES
PCB BY GC/ECI	1120A	QC Batch:	11449 ND	33		μg/Kg	1	Analyst: EES 11/21/2002
PCB BY GC/ECI		QC Batch:	ND					
PCB BY GC/ECI RunID: GC5_02 Aroclor 1016	ND - Not Detected	QC Batch:	ND mit	grafica A Miles	S - Spike	/Surrogate outsi	de of limits due to	11/21/2002 o matrix interferen
PCB BY GC/ECI RunID: GC5_02 Aroclor 1016	ND - Not Detected J - Analyte detecte	QC Batch:	ND nit limits	,	S - Spike H - Samp	/Surrogate outsi	de of limits due to	11/21/2002 o matrix interferen

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: SP1

Lab Order:

060026

Collection Date: 11/20/2002 3:15:00 PM

Project: Lab ID:

Bloomfield Business Center, 203571006 060026-003A

Matrix: SOIL

Analyse	es	Res	ult	Limit	Qual Un	nits DF	Date Analyzed
PCB BY	GC/ECD						
		(EPA 3550B)			EPA	8082	
RunID:	GC5_021120A	QC Batch:	11449				Analyst: EE
Aroclor	1221		ND	67	μg/	'Kg 1	11/21/2002
Aroclor	1232		ND	33	μg/		11/21/2002
Aroclor			99	33	μg/	=	11/21/2002
Aroclor	1248		ND	33	μg/	-	11/21/2002
Aroclor	1254		ND	33	μg/	=	11/21/2002
Aroclor	1260		ND	33	μg/		11/21/2002
Aroclor	1262		ND	33	μg/		11/21/2002
Aroclor			ND	33	µg/		11/21/2002
MERCU	RY BY COLD VAPO	OR TECHNIQUE					
		(EPA 7471)			EPA	7471A	
RunID:	AA1_021121A	QC Batch:	11464				Analyst: NS
Mercur	у		ND	0.10	mg	/Kg 1	11/21/2002
SEMIVO	DLATILE ORGANIC	COMPOUNDS BY	C/MS				
J V C		(EPA 3550B)			EPA	8270C	
RunID:	MS7_021120A	QC Batch:	11459				Analyst: IG
1,2,4-T	richlorobenzene		ND	6600	рд/	'Kg 10	11/20/2002
1,2-Dic	hlorobenzene		ND	6600	µg/	'Kg 10	11/20/2002
1,3-Dic	hlorobenzene		ND	6600	μg/	'Kg 10	11/20/2002
1,4-Dic	hlorobenzene		ND	6600	μg/	'Kg 10	11/20/2002
2,4,5-T	richlorophenol		ND	6600	μg/	'Kg 10	11/20/2002
2,4,6-T	nchlorophenol		ND	6600	μg/	'Kg 10	11/20/2002
2,4-Dic	hlorophenol		ND	33000	μg/	'Kg 10	11/20/2002
2,4-Din	nethylphenol		ND	6600	μg/	'Kg 10	11/20/2002
	itrophenol		ND	33000	µg/		11/20/2002
2,4-Din	itrotoluene		ND	6600	μg/	'Kg 10	11/20/2002
2,6-Din	itrotoluene		ND	6600	μ g /	Kg 10	11/20/2002
2-Chlor	ronaphthalene		ND	6600	μg/	'Kg 10	11/20/2002
2-Chlor	ophenol		ND	6600	µg/	'Kg 10	11/20/2002
2-Meth	ylnaphthalene	110	000	6600	h ā /	_	11/20/2002
2-Meth	ylphenol		ND	6600	µg/		11/20/2002
2-Nitroaniline			ND	33000	μg/		11/20/2002
2-Nitrophenol			ND	6600	μg/	-	11/20/2002
3,3'-Dichlorobenzidine			ND		μg/		11/20/2002
3-Nitroaniline			ND	33000	µg/	-	

Qualifiers:

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E - Value above quantitation range

DO - Surrogate Diluted Out

Results are wet unless otherwise specified

Page 16 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: SP1

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:15:00 PM

Matrix: SOIL Lab ID: 060026-003A

Analyses	Result	Limit	Qual U	Inits	DF	Date Analyzed
SEMIVOLATILE ORGANIC CO	OMPOUNDS BY GC/MS					,
	(EPA 3550B)		EPA	4 8270C		
RunID: MS7_021120A	QC Batch: 1145	9				Analyst: IG
4,6-Dinitro-2-methylphenol	ND	33000	μ	g/Kg	10	11/20/2002
4-Bromophenyl-phenylether	ND	6600	μ	g/Kg	10	11/20/2002
4-Chloro-3-methylphenol	ND	13000	μ	g/Kg	10	11/20/2002
4-Chloroaniline	ND	13000	Į.	g/Kg	10	11/20/2002
4-Chlorophenyl-phenylether	ND	6600	-	g/Kg	10	11/20/2002
4-Methylphenol	ND	6600		g/Kg	10	11/20/2002
4-Nitroaniline	ND	33000		g/Kg	10	11/20/2002
4-Nitrophenol	ND	33000	μ	g/Kg	10	11/20/2002
Acenaphthene	ND	6600	μ	g/Kg	10	11/20/2002
Acenaphthylene	ND	6600		g/Kg	10	11/20/2002
Anthracene	ND	6600		g/Kg	10	11/20/2002
Benzidine (M)	ND	33000	μ	g/Kg	10	11/20/2002
Benzo(a)anthracene	ND	6600	μ	g/Kg	10	11/20/2002
Benzo(a)pyrene	ND	6600		g/Kg	10	11/20/2002
Benzo(b)fluoranthene	ND	6600	μ	g/Kg	10	11/20/2002
Benzo(g,h,i)perylene	ND	6600	μ	g/Kg	10	11/20/2002
Benzo(k)fluoranthene	ND	6600	μ	g/Kg	10	11/20/2002
Benzoic acid	ND	33000	μ	g/Kg	10	11/20/2002
Benzyl alcohol	ND	13000	μ	g/Kg	10	11/20/2002
Bis(2-chloroethoxy)methane	ND	6600	μ	g/Kg	10	11/20/2002
Bis(2-chloroethyl)ether	ND	6600		g/Kg	10	11/20/2002
Bis(2-chloroisopropyl)ether	ND	6600	μ	g/Kg	10	11/20/2002
Bis(2-ethylhexyl)phthalate	ND	6600	μį	g/Kg	10	11/20/2002
Butylbenzylphthalate	ND	6600	μ	g/Kg	10	11/20/2002
Chrysene	ND	6600		g/Kg	10	11/20/2002
Di-n-butylphthalate	ND	6600	μ	g/Kg	10	11/20/2002
Di-n-octylphthalate	ND	6600	μ	g/Kg	10	11/20/2002
Dibenz(a,h)anthracene	ND	6600	μ	g/Kg	10	11/20/2002
Dibenzofuran	ND	6600	μ	g/Kg	10	11/20/2002
Diethylphthalate	ND	6600	μ	g/Kg	10	11/20/2002
Dimethylphthalate	ND	6600	μ	g/Kg	10	11/20/2002
Fluoranthene	ND	6600	μ	g/Kg	10	11/20/2002
Fluorene	ND	6600	μ	g/Kg	10	11/20/2002
Hexachlorobenzene	ND	6600	μ	g/Kg	10	11/20/2002
Hexachlorobutadiene	ND	13000	μ	g/Kg	10	11/20/2002
Hexachlorocyclopentadiene	ND	13000	μ	g/Kg	10	11/20/2002
Hexachloroethane	ND	6600	Щ	g/Kg	10	11/20/2002

Qualifiers:

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S - Spike/Surrogate outside of limits due to matrix interferen

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E - Value above quantitation range

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Results are wet unless otherwise specified

Page 17 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: SP1

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:15:00 PM

Lab ID:

060026-003A

Matrix: SOIL

Analys	es	Re	sult	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B)					EF	PA 8270C		
RuniD:	MS7_021120A	QC Batch:	11459					Analyst: IG
Indeno(1,2,3-cd)pyrene			ND	6600		µg/Kg	10	11/20/2002
Isopho	prone		ND	6600		μg/Kg	10	11/20/2002
N-Nitrosodi-n-propylamine			ND	6600		μg/Kg	10	11/20/2002
N-Nitrosodiphenylamine			ND	6600		μg/Kg	10	11/20/2002
Naphthalene .			ND	6600		μg/Kg	10	11/20/2002
Nitrobenzene			ND	6600		μg/Kg	10	11/20/2002
Penta	chlorophenol		ND	33000		μg/Kg	10	11/20/2002
Phena	inthrene		ND	6600		μg/Kg	10	11/20/2002
Pheno	ol		ND	6600		μg/Kg	10	11/20/2002
Pyrene	e .		ND	6600		μg/Kg	10	11/20/2002

Qualifiers:

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B - Analyte detected in the associated Method Blank

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H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

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Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: SP1

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:15:00 PM

Lab ID:

060026-003B

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/	MS PLUS OXYGENATI	ES				
RunID: M\$3_021120A	QC Batch: R02VS144				Analyst: GG	
1,1,1,2-Tetrachloroethane	ND	4.8		μg/Kg	1	11/20/2002
1,1,1-Trichloroethane	1000	250		μg/Kg	50	11/21/2002
1,1,2,2-Tetrachloroethane	ND	4.8		μg/Kg	1	11/20/2002
1,1,2-Trichloroethane	ND	4.8		μg/Kg	1	11/20/2002
1,1-Dichloroethane	160	4.8		μg/Kg	1	11/20/2002
1,1-Dichloroethene	ND	4.8		μg/Kg	1	11/20/2002
1,1-Dichloropropene	ND	4.8		µg/Kg	1	11/20/2002
1,2,3-Trichlorobenzene	ND	4.8		μg/Kg	1	11/20/2002
1,2,3-Trichloropropane	ND	4.8		µg/Kg	1	11/20/2002
1,2,4-Trichlorobenzene	ND	4.8		μg/Kg	1	11/20/2002
1,2,4-Trimethylbenzene	11000	250		μg/Kg	50	11/21/2002
1,2-Dibromo-3-chloropropane	ND	4.8		μg/Kg	1	11/20/2002
1,2-Dibromoethane	ND	4.8		μg/Kg	1	11/20/2002
1,2-Dichlorobenzene	ND	4.8		μg/Kg	1	11/20/2002
1,2-Dichloroethane	ND	4.8		μg/Kg	1	11/20/2002
1,2-Dichloropropane	ND	4.8		μg/Kg	1	11/20/2002
1,3,5-Trimethylbenzene	430	4.8		μg/Kg	1	11/20/2002
1,3-Dichlorobenzene	ND	4.8		μg/Kg	1	11/20/2002
1,3-Dichloropropane	ND	4.8		μg/Kg	1	11/20/2002
1,4-Dichlorobenzene	ND	4.8		µg/Kg	1	11/20/2002
2,2-Dichloropropane	ND	4.8		μg/Kg	1	11/20/2002
2-Chlorotoluene	ND	4.8		μg/Kg	1	11/20/2002
4-Chlorotoluene	42	4.8		µg/Kg	1	11/20/2002
4-Isopropyltoluene	80	4.8		μg/Kg	1	11/20/2002
Benzene	12	4.8		μg/Kg	1	11/20/2002
Bromobenzene	ND	4.8		µg/Kg	1	11/20/2002
Bromodichloromethane	ND	4.8		μg/Kg	1	11/20/2002
Bromoform	ND	4.8		µg/Kg	1	11/20/2002
Bromomethane	ND	4.8		µg/Kg	1	11/20/2002
Carbon tetrachloride	ND	4.8		μg/Kg	1	11/20/2002
Chlorobenzene	12	4.8		μg/Kg	1	11/20/2002
Chloroethane	ND	4.8		μg/Kg	1	11/20/2002
Chloroform	ND	4.8		μg/Kg	1	11/20/2002
Chloromethane	ND	4.8		μg/Kg	1	11/20/2002
cis-1,2-Dichloroethene	180	4.8		μg/Kg	1	11/20/2002
cis-1,3-Dichloropropene	ND	4.8		μg/Kg	1	11/20/2002
Di-isopropyl ether	ND	4.8		µg/Kg	1	11/20/2002

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DO - Surrogate Diluted Out

Results are wet unless otherwise specified

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Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: SP1

Lab Order:

060026

Project: Lab ID: Bloomfield Business Center, 203571006

060026-003B

Collection Date: 11/20/2002 3:15:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/M	S PLUS OXYGENA	ATES		•	
			8260+O	X	
RunID: MS3_021120A	QC Batch: R	02VS144			Analyst: GG
Dibromochloromethane	ND	4.8	µg/Kg	1	11/20/2002
Dibromomethane	ND	4.8	μg/Kg	1	11/20/2002
Dichlorodifluoromethane	ND	4.8	μg/Kg	1	11/20/2002
Ethyl tert-butyl ether	ND	4.8	μg/Kg	1	11/20/2002
Ethylbenzene	2700	250	μg/Kg	50	11/21/2002
Hexachlorobutadiene	ND	4.8	μg/Kg	1	11/20/2002
Isopropylbenzene	130	4.8	μg/Kg	1	11/20/2002
m,p-Xylene	12000	250	μg/Kg	50	11/21/2002
Methylene chloride	ND	4.8	μg/Kg	1	11/20/2002
MTBE	ND	4.8	μg/Kg	1	11/20/2002
n-Butylbenzene	110	4.8	μg/Kg	1	11/20/2002
n-Propylbenzene	230	4.8	μg/Kg	1	11/20/2002
Naphthalene	410	4.8	μg/Kg	1	11/20/2002
o-Xylene	4300	250	μg/Kg	50	11/21/2002
sec-Butylbenzene	ND	4.8	μg/Kg	1	11/20/2002
Styrene	ND	4.8	μg/Kg	1	11/20/2002
Tert-arnyl methyl ether	ND	4.8	μg/Kg	1	11/20/2002
Tert-Butanol	ND	95	μg/Kg	1	11/20/2002
tert-Butylbenzene	ND	4.8	μg/Kg	1	11/20/2002
Tetrachloroethene	3000	250	µg/Kg	50	11/21/2002
Toluene	3300	250	μg/Kg	50	11/21/2002
trans-1,2-Dichloroethene	ND	4.8	μg/Kg	1	11/20/2002
Trichloroethene	37	4.8	μg/Kg	1	11/20/2002
Trichlorofluoromethane	ND	4.8	μg/Kg	1	11/20/2002
Vinyl chloride	ND	4.8	μg/Kg	1	11/20/2002

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Results are wet unless otherwise specified

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Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-003C

Client Sample ID: SP1

Collection Date: 11/20/2002 3:15:00 PM

Matrix: SOIL

Analys	knalyses Re		ult	Limit Qual Units		DF	Date Analyzed	
GASOL	INE RANGE ORGANIC	S BY GC/FID						
					EPA 8015B(M)			
RunID:	GC2_021121A	QC Batch:	E02V5	3293			Analyst: GG	
GRO		:	360	50	mg/Kg	50	11/21/2002	
HYDRO	CARBON CHAIN IDEN	TIFICATION BY	ENCORE	i				
					EPA 8015B			
RunID:	GC2_021121A	QC Batch:	E02VS	S293			Analyst: GG	
T/R Hy	drocarbons: C5-C12	:	360	50	mg/Kg	50	11/21/2002	

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Results are wet unless otherwise specified

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Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: B1

Lab Order:

060026

Project:

000020

C 11

Collection Date: 11/20/2002 1:45:00 PM

Lab ID:

060026-004A

Bloomfield Business Center, 203571006

Matrix: SOIL

Analyses		Res	ult	Limit	Qual	Units	DF	Date Analyzed
ICP METALS						· · · · · · · · · · · · · · · · · · ·		
		(EPA 3050A)			E	PA 6010B		
RunID: ICP2_0	021121A	QC Batch:	11463					Analyst: RQ
Antimony			1.0	0.25		mg/Kg	1	11/21/2002
Arsenic		1	9.0	0.25		mg/Kg	1	11/21/2002
Barium			780	0.15		mg/Kg	1	11/21/2002
Beryllium			ND	0.15		mg/Kg	1	11/21/2002
Cadmium			1.6	0.15		mg/Kg	1	11/21/2002
Chromium			56	0.15		mg/Kg	1	11/21/2002
Cobalt			12	0.15		mg/Kg	1	11/21/2002
Соррег		1	140	0.15		mg/Kg	1	11/21/2002
Lead		1	150	0.25		mg/Kg	1	11/21/2002
Molybdenum		!	9.0	0.25		mg/Kg	1	11/21/2002
Nickel			32	0.15		mg/Kg	1	11/21/2002
Selenium			ND	0.25		mg/Kg	1	11/21/2002
Silver		0	.19	0.15		mg/Kg	1	11/21/2002
Thallium		;	2.0	0.25		mg/Kg	1	11/21/2002
Vanadium			51	0.15		mg/Kg	1	11/21/2002
Zinc		6	320	5.0		mg/Kg	10	11/21/2002
DIESEL RANG	E ORGANICS	BY GC/FID						
		(LUFT)			EP	A 8015B(M)		
RunID: GC7_0	021120A	QC Batch:	11448					Analyst: IG
Diesel		120	000	100		mg/Kg	10	11/20/2002
HYDROCARBO	ON CHAIN IDEN	NTIFICATION						
		(LUFT)			E	PA 8015B		
RunID: GC7_0	021120A	QC Batch:	11448					Analyst: IG
T/R Hydrocarb	ons: >C32	27	700	100		mg/Kg	10	11/20/2002
T/R Hydrocarb	ons: C10-C12	25	500	100		mg/Kg	10	11/20/2002
T/R Hydrocarb	ons: C13-C15	21	100	100		mg/Kg	10	11/20/2002
T/R Hydrocarb	ons: C16-C22	55	500	100		mg/Kg	10	11/20/2002
T/R Hydrocarb	ons: C23-C32	110	000	100		mg/Kg	10	11/20/2002
PCB BY GC/E	CD							
		(EPA 3550B)			E	PA 8082		
RunID: GC5_0	021120A	QC Batch:	11449					Analyst: EES
Aroclor 1016			ND	33		μg/Kg	1	11/21/2002
Qualifiers:	ND - Not Detec	ted at the Reporting Lin	mit		S - Spike	e/Surrogate outsi	de of limits due	to matrix interferen
_		cted below quantitation		S - Spike/Surrogate outside of limits due to matrix interferen H - Sample exceeded analytical holding time				
	•	ected in the associated		nk		pie exceeded ana e above quantita		mic
	DO - Surrogate		recurre Dia			-	tion range therwise specific	Page 22 of 5
							abeauti	

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: B1

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 1:45:00 PM

Lab ID	060026-0	04A		Matrix: SOIL					
Analys	es	Re	sult	Limit	Qual Units	DF	Date Analyzed		
PCB B	Y GC/ECD				-				
		(EPA 3550B)			EPA 8082				
RunID:	GC5_021120A	QC Batch:	11449)			Analyst: EES		
Aroclo	or 1221		ND	67	μg/Kg	1	11/21/2002		
Aroclo	or 1232		ND	33	μg/Kg	1	11/21/2002		
Aroclo	r 1242		ND	33	μg/Kg	1	11/21/2002		
Aroclo	r 1248		ND	33	μg/Kg	1	11/21/2002		
Aroclo	or 1254		ND	33	μg/Kg	· 1	11/21/2002		
Aroclo	r 1260		ND	33	μg/Kg	1	11/21/2002		
Aroclo	or 1262		ND	33	μg/Kg	1	11/21/2002		
Aroclo	r 1268		ND	33	μg/Kg	1	11/21/2002		
MERCL	JRY BY COLD VAPO	R TECHNIQUE							
		(EPA 7471)			EPA 7471A				
RunID:	AA1_021121A	QC Batch:	11464	;			Analyst: NS		
Mercu	ry		ND	0.10	mg/Kg	1	11/21/2002		
SEMIV	OLATILE ORGANIC	COMPOUNDS BY	GC/MS						
		(EPA 3550B)			EPA 8270C				
RunID:	M\$7_021120A	QC Batch:	11459)			Analyst: IG		
1,2,4-1	Trichlorobenzene		ND	66000	μg/Kg	20	11/20/2002		
1,2-Did	chlorobenzene		ND	66000	µg/Kg	20	11/20/2002		
1,3-Dio	chlorobenzene		ND	66000	μg/Kg	20	11/20/2002		
1,4-Dic	chlorobenzene		ND	66000	µg/Kg	20	11/20/2002		
2,4,5-1	Trichlorophenol		ND	66000	μg/Kg	20	11/20/2002		
2,4,6-1	Frichlorophenol		ND	66000	μg/Kg	20	11/20/2002		
2,4-Dic	chlorophenol		ND	330000	μg/Kg	20	11/20/2002		
2,4-Dir	methylphenol		ND	66000	μg/Kg	20	11/20/2002		
2,4-Dir	nitrophenol		ND	330000	μg/Kg	20	11/20/2002		
2,4-Dir	nitrotoluene		ND	66000	μg/Kg	20	11/20/2002		
2,6-Dir	nitrotoluene		ND	66000	μg/Kg	20	11/20/2002		
2-Chlo	oronaphthalene		ND	66000	μg/Kg	20	11/20/2002		
2-Chlo	prophenol		ND	66000	μg/Kg	20	11/20/2002		
2-Meth	nylnaphthalene		ND	66000	μg/Kg	20	11/20/2002		
2-Meth	nylphenol		ND	66000	μg/Kg	20	11/20/2002		
2-Nitro	paniline		ND	330000	μg/Kg	20	11/20/2002		
2-Nitro	phenol		ND	66000	μg/Kg	20	11/20/2002		
3,3′-Di	ichlorobenzidine		ND	130000	μg/Kg	20	11/20/2002		
3-Nitro	paniline		ND	330000	μg/Kg	20	11/20/2002		

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Date: 22-Nov-02

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Client Sample ID: B1

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 1:45:00 PM

Lab ID:

060026-004A

Matrix: SOIL

Analyses		Res	ult	Limit	Qual	Units	DF	Date Analyzed	
SEMIVOL	ATILE ORGANIC CO	OMPOUNDS BY	3C/MS	 }					
		(EPA 3550B)			EPA 8270C				
RunID: N	MS7_021120A	QC Batch:	11	459				Analyst: IG	
4,6-Dinitr	o-2-methylphenol		ND	330000		μg/Kg	20	11/20/2002	
4-Bromo	phenyl-phenylether		ND	66000		µg/Kg	· 20	11/20/2002	
4-Chloro	-3-methylphenol		ND	130000		μg/Kg	20	11/20/2002	
4-Chloro	aniline		ND	130000		μ g /Kg	20	11/20/2002	
4-Chloro	phenyl-phenylether		ND	66000		μg/Kg	20	11/20/2002	
4-Methyl	phenol		ND	66000		μg/Kg	20	11/20/2002	
4-Nitroan	iline		ND	330000		µg/Kg	20	11/20/2002	
4-Nitroph	enol		ND	330000		μg/Kg	20	11/20/2002	
Acenaph			ND	66000		μg/Kg	20	11/20/2002	
Acenaph	thylene		ND	66000		μg/Kg	20	11/20/2002	
Anthrace	ne		ND	66000		μg/Kg	20	11/20/2002	
Benzidin	e (M)		ND	330000		μg/Kg	20	11/20/2002	
Benzo(a)	anthracene		ND	66000		μg/Kg	20	11/20/2002	
Benzo(a)	pyrene		ND	66000		µg/Kg	20	11/20/2002	
Benzo(b)	fluoranthene		ND	66000		µg/Kg	20	11/20/2002	
Benzo(g,	h,i)perylene		ND	66000		μg/Kg	20	11/20/2002	
Benzo(k)	fluoranthene		ND	66000		μg/Kg	20	11/20/2002	
Benzoic a	acid		ND	330000		μg/Kg	20	11/20/2002	
Benzyl al	cohol		ND	130000		μg/Kg	20	11/20/2002	
Bis(2-chl	oroethoxy)methane		ND	66000		μg/Kg	20	11/20/2002	
Bis(2-chle	oroethyl)ether		ND	66000		μg/Kg	20	11/20/2002	
Bis(2-chl	oroisopropyl)ether		ND	66000		μg/Kg	20	11/20/2002	
Bis(2-eth	ylhexyl)phthalate		ND	66000		µg/Kg	20	11/20/2002	
Butylben	zylphthalate		ND	66000		μg/Kg	20	11/20/2002	
Chrysene)		ND	66000		μg/Kg	20	11/20/2002	
Di-n-buty	lphthalate		ND	66000		μg/Kg	20	11/20/2002	
Di-n-octy	lphthalate		ND	66000		μg/Kg	20	11/20/2002	
Dibenz(a	,h)anthracene		ND	66000		μg/Kg	20	11/20/2002	
Dibenzof	uran		ND	66000		μg/Kg	20	11/20/2002	
Diethylph	thalate		ND	66000		μg/Kg	20	11/20/2002	
Dimethyl			ND	66000		μg/Kg	20	11/20/2002	
Fluoranth	ene		ND	66000		µg/Kg	20	11/20/2002	
Fluorene			ND	66000		µg/Kg	20	11/20/2002	
Hexachio	robenzene		NĐ	66000		μg/Kg	20	11/20/2002	
Hexachio	robutadiene		ND	130000		µg/Kg	20	11/20/2002	
Hexachlo	rocyclopentadiene		ND	130000		μg/Kg	20	11/20/2002	
Hexachlo			ND	66000		μg/Kg	20	11/20/2002	

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Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: B1

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 1:45:00 PM

Lab ID:

060026-004A

Matrix: SOIL

Analyse	s	Re	sult	Limit	Qual Units	DF	Date Analyzed		
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B) EPA 8270C									
RunID:	MS7_021120A	QC Batch:	11	459			Analyst: IG		
Indeno((1,2,3-cd)pyrene		ND	66000	μg/Kg	20	11/20/2002		
Isophor	one		ND	66000	μg/Kg	20	11/20/2002		
N-Nitros	sodi-n-propylamine		ND	66000	μg/Kg	20	11/20/2002		
N-Nitro:	sodiphenylamine		ND	66000	μg/Kg	20	11/20/2002		
Naphtha	alene		ND	66000	μg/Kg	20	11/20/2002		
Nitrobe	nzene		ND	66000	μg/Kg	20	11/20/2002		
Pentach	hiorophenoi		ND	330000	μg/Kg	20	11/20/2002		
Phenan	threne		ND	66000	μg/Kg	20	11/20/2002		
Phenol			ND	66000	μg/Kg	20	11/20/2002		
Pyrene			ND	66000	μg/Kg	20	11/20/2002		

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Client Sample ID: B1

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 1:45:00 PM

Lab ID:

060026-004B

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/	MS PLUS OXYGENAT	ES			
			8260+OX		
RunID: MS3_021120A	QC Batch: R02	2VS144			Analyst: GG
1,1,1,2-Tetrachloroethane	ND	4.3	μg/Kg	1	11/20/2002
1,1,1-Trichloroethane	8000	250	μg/Kg	50	11/21/2002
1,1,2,2-Tetrachloroethane	ND	4.3	μg/Kg	1	11/20/2002
1,1,2-Trichloroethane	ND	4.3	μg/Kg	1	11/20/2002
1,1-Dichloroethane	2100	250	μg/Kg	50	11/21/2002
1,1-Dichloroethene	9.2	4.3	μg/Kg	1	11/20/2002
1,1-Dichloropropene	ND	4.3	μg/Kg	1	11/20/2002
1,2,3-Trichlorobenzene	ND	4.3	μg/Kg	1	11/20/2002
1,2,3-Trichloropropane	ND	4.3	μg/Kg	1	11/20/2002
1,2,4-Trichlorobenzene	ND	4.3	μg/Kg	1	11/20/2002
1,2,4-Trimethylbenzene	17000	250	μg/Kg	50	11/21/2002
1,2-Dibromo-3-chloropropane	ND	4.3	μg/Kg	1	11/20/2002
1,2-Dibromoethane	ND	4.3	μg/Kg	. 1	11/20/2002
1,2-Dichlorobenzene	10000	250	μg/Kg	50	11/21/2002
1,2-Dichloroethane	ND	4.3	μg/Kg	1	11/20/2002
1,2-Dichloropropane	ND	4.3	μg/Kg	1	11/20/2002
1,3,5-Trimethylbenzene	360	4.3	μ g /Kg	1	11/20/2002
1,3-Dichlorobenzene	ND	4.3	μg/Kg	1	11/20/2002
1,3-Dichloropropane	ND	4.3	μg/Kg	1	11/20/2002
1,4-Dichlorobenzene	ND	4.3	μg/Kg	1	11/20/2002
2,2-Dichloropropane	ND	4.3	μg/Kg	1	11/20/2002
2-Chlorotoluene	ND	4.3	μg/Kg	1	11/20/2002
4-Chlorotoluene	ND	4.3	μg/Kg	1	11/20/2002
4-Isopropyltoluene	29	4.3	μg/Kg	1	11/20/2002
Benzene	30	4.3	μg/Kg	1	11/20/2002
Bromobenzene	ND	4.3	μg/Kg	1	11/20/2002
Bromodichloromethane	ND	4.3	μg/Kg	1	11/20/2002
Bromoform	ND	4.3	μg/Kg	1	11/20/2002
Bromomethane	ND	4.3	μg/Kg	1	11/20/2002
Carbon tetrachloride	ND	4.3	μg/Kg	1	11/20/2002
Chlorobenzene	ND	4.3	μg/Kg	1	11/20/2002
Chloroethane	ND	4.3	μg/Kg	1	11/20/2002
Chloroform	ND	4.3	μg/Kg	1	11/20/2002
Chloromethane	ND	4.3	μg/Kg	1	11/20/2002
cis-1,2-Dichloroethene	330	4.3	μg/Kg	1	11/20/2002
cis-1,3-Dichloropropene	ND	4.3	μg/Kg	1	11/20/2002
Di-isopropyl ether	ND	4.3	µg/Kg	1	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 26 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: B1

Lab Order:

060026

Project: Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 1:45:00 PM

Lab ID:

060026-004B

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
VOLATILE ORGANICS BY GO	C/MS PLUS OXYGENA	ATES			
			8260+OX		
RunID: MS3_021120A	QC Batch: R	02VS144			Analyst: GG
Dibromochloromethane	ND	4.3	μg/Kg	1	11/20/2002
Dibromomethane	ND	4.3	μg/Kg	1	11/20/2002
Dichlorodifluoromethane	ND	4.3	μg/Kg	1	11/20/2002
Ethyl tert-butyl ether	ND	4.3	μg/Kg	1	11/20/2002
Ethylbenzene	200	4.3	μg/Kg	1	11/20/2002
Hexachlorobutadiene	ND	4.3	μg/Kg	1	11/20/2002
Isopropylbenzene	ND	4.3	μg/Kg	1	11/20/2002
m,p-Xylene	15000	250	μg/Kg	50	11/21/2002
Methylene chloride	ND	4.3	μg/Kg	1	11/20/2002
MTBE	ND	4.3	μg/Kg	1	11/20/2002
n-Butylbenzene	47	4.3	μg/Kg	1	11/20/2002
n-Propylbenzene	98	4.3	μg/Kg	1	11/20/2002
Naphthalene	98	4.3	μg/Kg	1	11/20/2002
o-Xylene	6600	250	μg/Kg	50	11/21/2002
sec-Butylbenzene	ND	4.3	μg/Kg	1	11/20/2002
Styrene	ND	4.3	μg/Kg	1	11/20/2002
Tert-amyl methyl ether	ND	4.3	μg/Kg	1	11/20/2002
Tert-Butanol	ND	85	μg/Kg	1	11/20/2002
tert-Butylbenzene	ND	4.3	μg/Kg	1	11/20/2002
Tetrachioroethene	ND	4.3	μg/Kg	1	11/20/2002
Toluene	5500	250	μg/Kg	50	11/21/2002
trans-1,2-Dichloroethene	ND	4.3	μg/Kg	1	11/20/2002
Trichloroethene	18	4.3	μg/Kg	1	11/20/2002
Trichlorofluoromethane	ND	4.3	μg/Kg	1	11/20/2002
Vinyl chloride	64	4.3	μg/Kg	1	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 27 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: B1

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 1:45:00 PM

Lab ID:

060026-004C

Matrix: SOIL

Analyses		Resu	lt Limit	Qual Units	DF	Date Analyzed	
GASOL	INE RANGE ORGANIC	S BY GC/FID					
				EPA 8015B	(M)		
RunID:	GC2_021121A	QC Batch:	E02VS293			Analyst: GG	
GRO		60	00 50	mg/Kg	50	11/21/2002	
HYDRO	CARBON CHAIN IDEN	TIFICATION BY E	NCORE				
				EPA 8015	В		
RunID:	GC2_021121A	QC Batch:	E02VS293			Analyst: GG	
T/R Hy	drocarbons: C5-C12	60	00 50	mg/Kg	50	11/21/2002	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 28 of 56

Date: 22-Nov-02

Page 29 of 56

CLIENT:

Ninyo & Moore

Client Sample ID: 7C

Lab Order:

060026

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 2:55:00 PM

Project: Lab ID:

060026-005A

DO - Surrogate Diluted Out

Matrix: SOIL

Analyses	Result	Limit (Qual Units	DF	Date Analyzed
ICP METALS					
	(EPA 3050A)		EPA 6010B		
Run!D: ICP2_021121A	QC Batch: 11	1463			Analyst: RQ
Antimony	0.50	0.25	mg/Kg	1	11/21/2002
Arsenic	7.7	0.25	mg/Kg	1	11/21/2002
Barium	170	0.15	mg/Kg	1	11/21/2002
Beryllium	ND	0.15	mg/Kg	1	11/21/2002
Cadmium	ND	0.15	mg/Kg	1	11/21/2002
Chromium	23	0.15	mg/Kg	1	11/21/2002
Cobalt	9.0	0.15	mg/Kg	1	11/21/2002
Copper	30	0.15	mg/Kg	1	11/21/2002
Lead	8.0	0.25	mg/Kg	1	11/21/2002
Molybdenum	0.50	0.25	mg/Kg	1	11/21/2002
Nickel	16	0.15	mg/Kg	1	11/21/2002
Selenium	ND	0.25	mg/Kg	1	11/21/2002
Silver	ND	0.15	mg/Kg	1	11/21/2002
Thallium	1,5	0.25	mg/Kg	1	11/21/2002
Vanadium	33	0.15	mg/Kg	1	11/21/2002
Zinc	50	0.50	mg/Kg	1	11/21/2002
DIESEL RANGE ORGANIC	(LUFT)		EPA 8015B(M)		
RunID: GC7_021120A	QC Batch: 11	448			Analyst: IG
Diesel	6100	100	mg/Kg	10	11/20/2002
HYDROCARBON CHAIN II	DENTIFICATION				
	(LUFT)		EPA 8015B		
RunID: GC7_021120A	QC Batch: 11	448			Analyst: IG
T/R Hydrocarbons: >C32	1200	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C10-C12	1700	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C13-C15	1900	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C16-C22	3500	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C23-C32	5200	100	mg/Kg	10	11/20/2002
PCB BY GC/ECD					
	(EPA 3550B)		EPA 8082		
RunID: GC5_021120A	QC Batch: 11	449			Analyst: EES
Aroclor 1016	ND	33	μg/Kg	1	11/21/2002
Qualifiers: ND - Not D	etected at the Reporting Limit	S	- Spike/Surrogate outs	side of limits du	e to matrix interferen
-	detected below quantitation limits		- Sample exceeded an		
	detected in the associated Method		- Value above quantit	_	,
2 imaryic	The same and the s	- Juin D	· mac moore qualitie	andi range	

Results are wet unless otherwise specified

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7C

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID: 060026-005A

Collection Date: 11/20/2002 2:55:00 PM

Matrix: SOIL

Analys	es	Resu	ılt	Limit	Qual Units	DF	Date Analyzed
PCB B	Y GC/ECD						
		(EPA 3550B)			EPA 8082		
RunID:	GC5_021120A	QC Batch:	11449				Analyst: EES
Aroclo	r 1221	١	1D	67	μg/Kg	1	11/21/2002
Aroclo	r 1232	N	1D	33	μg/Kg	1	11/21/2002
Aroclo	r 1242	(68	33	μg/Kg	1	11/21/2002
Aroclo	r 1248	N	ND	33	μg/Kg	1	11/21/2002
Aroclo	r 1254	N	ND	33	μg/Kg	1	11/21/2002
Aroclo	г 1260	N	ND	33	μg/Kg	1	11/21/2002
Aroclo	r 1262	N	ND	33	μg/Kg	1	11/21/2002
Aroclo	r 1268	N	1D	33	μg/Kg	1	11/21/2002
MERCL	JRY BY COLD VAPO	R TECHNIQUE					
		(EPA 7471)			EPA 7471A		
RuniD:	AA1_021121A	QC Batch:	11464				Analyst: NS
Mercu	ry	0.	10	0.10	mg/Kg	1	11/21/2002
SEMIV	OLATILE ORGANIC	COMPOUNDS BY G	C/MS				
•		(EPA 3550B)			EPA 8270C		
RunID:	MS6_021120A	QC Batch:	11459				Analyst: IG
1,2,4-1	Trichlorobenzene	٨	1 D	6600	μg/Kg	10	11/20/2002
1,2-Di	chlorobenzene	N	1D	6600	μg/Kg	10	11/20/2002
1,3-Di	chlorobenzene	٨	1D	6600	μg/Kg	10	11/20/2002
1,4-Di	chlorobenzene	N	ND	6600	μg/Kg	10	11/20/2002
2,4,5-1	Trichlorophenol	٨	1D	6600	μg/Kg	10	11/20/2002
2,4,6-1	richlorophenol (N	1D	6600	μg/Kg	10	11/20/2002
2,4-Di	chlorophenol	٨	1D	33000	μg/Kg	10	11/20/2002
2,4-Dii	methylphenol	N	1D	6600	μg/Kg	10	11/20/2002
2,4-Di	nitrophenol	N	ID OI	33000	μg/Kg	10	11/20/2002
2,4-Dir	nitrotoluene	٨	ID	6600	μg/Kg	10	11/20/2002
2,6-Dir	nitrotoluene	N	ID	6600	μg/Kg	10	11/20/2002
2-Chlo	ronaphthalene	N	ID	6600	μg/Kg	10	11/20/2002
2-Chlo	rophenol	N	İD	6600	μg/Kg	10	11/20/2002
2-Meth	nylnaphthalene	2300	00	6600	μg/Kg	10	11/20/2002
2-Meth	nylphenol	N	ID	6600	μg/Kg	10	11/20/2002
2-Nitro	paniline	N	D	33000	μg/Kg	10	11/20/2002
2-Nitro	phenol	N	lD	6600	μg/Kg	10	11/20/2002
	ichlorobenzidine	N	ID O	13000	μg/Kg	10	11/20/2002
3,3'-Di					FFTTS		

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

5 - Spike Sairogate outside of mints due to matrix in

E - Value above quantitation range

Results are wet unless otherwise specified

H - Sample exceeded analytical holding time

Page 30 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7C

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 2:55:00 PM

Lab ID: 060026-005A

Matrix: SOIL

Analys	es	Res	ult	Limit	Qual	Units	DF	Date Analyzed	
SEMIV	OLATILE ORGANIC C	OMPOUNDS BY	C/MS						
		(EPA 3550B)		EPA 8270C					
RunID:	MS6_021120A	QC Batch:	11459					Analyst: IG	
4,6-Di	nitro-2-methylphenol		ND	33000		µg/Kg	10	11/20/2002	
4-Bron	nophenyl-phenylether		ND	6600		μg/Kg	10	11/20/2002	
	oro-3-methylphenol		ND	13000		µg/Kg	10	11/20/2002	
4-Chlo	proaniline		ND	13000		μg/Kg	10	11/20/2002	
4-Chlo	rophenyl-phenylether		ND	6600		μg/Kg	10	11/20/2002	
4-Meth	nylphenol		ND	6600		ug/Kg	10	11/20/2002	
4-Nitro	paniline		ND	33000		μg/Kg	10	11/20/2002	
4-Nitro	phenol		ND	33000		μg/Kg	10	11/20/2002	
	phthene		ND	6600		μg/Kg	10	11/20/2002	
Acena	phthylene		ND	6600		μg/Kg	10	11/20/2002	
Anthra	• •		ND	6600		μg/Kg	10	11/20/2002	
Benzio	dine (M)		ND	33000		μg/Kg	10	11/20/2002	
Benzo	(a)anthracene		ND	6600		μg/Kg	10	11/20/2002	
Benzo	(a)pyrene		ND	6600		μg/Kg	10	11/20/2002	
	(b)fluoranthene		ND	6600		μg/Kg	10	11/20/2002	
Benzo	(g,h,i)perylene		ND	6600		μg/Kg	10	11/20/2002	
Benzo	(k)fluoranthene		ND	6600		μg/Kg	10	11/20/2002	
Benzo	ic acid		ND	33000		μg/Kg	10	11/20/2002	
Benzy	alcohol		ND	13000		μg/Kg	10	11/20/2002	
Bis(2-0	chloroethoxy)methane		ND	6600		μg/Kg	10	11/20/2002	
-	chloroethyl)ether		ND	6600		μg/Kg	10	11/20/2002	
Bis(2-0	chloroisopropyl)ether		ND	6600		μg/Kg	10	11/20/2002	
Bis(2-	ethylhexyl)phthalate		ND	6600		μg/Kg	10	11/20/2002	
Butylb	enzylphthalate		ND	6600		μg/Kg	10	11/20/2002	
Chryse	ene		ND	6600		μg/Kg	10	11/20/2002	
Di-n-b	utylphthalate		ND	6600		μg/Kg	10	11/20/2002	
Di-n-o	ctylphthalate		ND	6600		μg/Kg	10	11/20/2002	
Dibenz	z(a,h)anthracene		ND	6600		μg/Kg	10	11/20/2002	
Dibenz	zofuran		ND	6600		μg/Kg	10	11/20/2002	
Diethy	lphthalate		ND	6600		μg/Kg	10	11/20/2002	
Dimeth	nylphthalate		ND	6600		μg/Kg	10	11/20/2002	
Fluora	nthene		ND	6600		μg/Kg	10	11/20/2002	
Fluore	ne		ND	6600		μg/Kg	10	11/20/2002	
Hexac	hlorobenzene		ND	6600		μg/Kg	10	11/20/2002	
Hexac	hlorobutadiene		ND	13000		μg/Kg	10	11/20/2002	
Hexac	hlorocyclopentadiene		ND	13000		µg/Kg	10	11/20/2002	
Hexac	hloroethane		ND	6600		μg/Kg	10	11/20/2002	

Qualifiers:

Results are wet unless otherwise specified

Page 31 of 56

ND - Not Detected at the Reporting Limit

S - Spike/Surrogate outside of limits due to matrix interferen

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7C

Lab Order:

060026

Project:

Collection Date: 11/20/2002 2:55:00 PM

Lab ID:

060026-005A

Bloomfield Business Center, 203571006

Matrix: SOIL

Analyse	Analyses Resu		ılt	Limit	Qual U	nits	DF	Date Analyzed
SEMIVO	DLATILE ORGANIC O	OMPOUNDS BY G (EPA 3550B)		EPA	EPA 8270C			
RunID:	MS6_021120A	QC Batch:	11459	9				Analyst: IG
Indeno	(1,2,3-cd)pyrene	ı	ND	6600	μς	g/Kg	10	11/20/2002
Isophor	rone	1	ND	6600	μί	g/Kg	10	11/20/2002
N-Nitro	sodi-n-propylamine	ı	ND	6600	μ	g/Kg	10	11/20/2002
N-Nitro	sodiphenylamine	ı	ND	6600	μ	g/Kg	10	11/20/2002
Naphth	alene	92	00	6600	μ	g/Kg	10	11/20/2002
Nitrobe	nzene		ND	6600	μ	g/Kg	10	11/20/2002
Pentaci	hlorophenol		ND	33000	μ	g/Kg	10	11/20/2002
Phenar	nthrene		ND	6600	μ	g/Kg	10	11/20/2002
Phenol			ΝD	6600	μ	g/Kg	10	11/20/2002
Pyrene	•	1	ND	6600	μς	g/Kg	10	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 32 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7C

Lab Order:

060026

Project:

Lab ID:

000020

060026-005B

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 2:55:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/	MS PLUS OXYGENAT	ES			
			8260+O	x	
RunID: MS3_021120A	QC Batch: R02	2VS144			Analyst: GG
1,1,1,2-Tetrachloroethane	ND	5.5	μg/Kg	1	11/20/2002
1,1,1-Trichloroethane	12000	500	μg/Kg	100	11/21/2002
1,1,2,2-Tetrachloroethane	ND	5.5	μg/Kg	1	11/20/2002
1,1,2-Trichloroethane	ND	5.5	μg/Kg	1	11/20/2002
1,1-Dichloroethane	1200	500	μg/Kg	100	11/21/2002
1,1-Dichloroethene	13	5 .5	μg/Kg	1	11/20/2002
1,1-Dichloropropene	ND	5.5	μg/Kg	1	11/20/2002
1,2,3-Trichlorobenzene	ND	5.5	μg/Kg	1	11/20/2002
1,2,3-Trichloropropane	ND	5.5	μg/Kg	1	11/20/2002
1,2,4-Trichlorobenzene	ND	5.5	μg/Kg	1	11/20/2002
1,2,4-Trimethylbenzene	32000	500	μg/Kg	100	11/21/2002
1,2-Dibromo-3-chloropropane	ND	5.5	μg/Kg	1	11/20/2002
1,2-Dibromoethane	ND	5.5	μg/Kg	1	11/20/2002
1,2-Dichlorobenzene	ND	5.5	μg/Kg	1	11/20/2002
1,2-Dichloroethane	ND	5.5	μg/Kg	1	11/20/2002
1,2-Dichloropropane	ND	5.5	μg/Kg	1	11/20/2002
1,3,5-Trimethylbenzene	11000	500	μg/Kg	100	11/21/2002
1,3-Dichlorobenzene	ND	5.5	μg/Kg	1	11/20/2002
1,3-Dichloropropane	ND	5.5	μg/Kg	1	11/20/2002
1,4-Dichlorobenzene	ND	5.5	μg/Kg	1	11/20/2002
2,2-Dichloropropane	ND	5.5	μg/Kg	1	11/20/2002
2-Chlorotoluene	ND	5.5	μg/Kg	1	11/20/2002
4-Chlorotoluene	ND	5.5	μg/Kg	1	11/20/2002
4-isopropyltoluene	290	5.5	μg/Kg	1	11/20/2002
Benzene	61	5.5	μg/Kg	1	11/20/2002
Bromobenzene	ND	5.5	μg/Kg	1	11/20/2002
Bromodichloromethane	ND	5.5	μg/Kg	1	11/20/2002
Bromoform	ND	5.5	μg/Kg	1	11/20/2002
Bromomethane	ND	5.5	μg/Kg	1	11/20/2002
Carbon tetrachloride	ND	5.5	μg/Kg	1	11/20/2002
Chlorobenzene	ND	5.5	μg/Kg	1	11/20/2002
Chloroethane	ND	5.5	μg/Kg	1	11/20/2002
Chloroform	ND	5.5	μg/Kg	1	11/20/2002
Chloromethane	ND	5.5	μg/Kg	1	11/20/2002
cis-1,2-Dichloroethene	180	5.5	μg/Kg	1	11/20/2002
cis-1,3-Dichloropropene	ND	5.5	μg/Kg	1	11/20/2002
Di-isopropyl ether	ND	5.5	μg/Kg	1	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike/Surrogate outside of limits due to matrix interferen

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

Results are wet unless otherwise specified

Page 33 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7C

Lab Order:

060026

ab Order: 00002

Project: Lab ID: Bloomfield Business Center, 203571006 060026-005B

Collection Date: 11/20/2002 2:55:00 PM

Matrix: SOIL

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed
VOLATILE ORGANICS BY GO	C/MS PLUS OXYGENAT	ES			
			8260+OX		
RunID: MS3_021120A	QC Batch: R02	2VS144			Analyst: GG
Dibromochloromethane	ND	5.5	μg/Kg	1	11/20/2002
Dibromomethane	ND	5.5	μ g /Kg	1	11/20/2002
Dichlorodifluoromethane	ND	5.5	μg/Kg	1	11/20/2002
Ethyl tert-butyl ether	ND	5.5	μg/Kg	1	11/20/2002
Ethylbenzene	13000	500	μg/Kg	100	11/21/2002
Hexachlorobutadiene	ND	5.5	μg/Kg	1	11/20/2002
Isopropylbenzene	4100	500	μg/Kg	100	11/21/2002
m,p-Xylene	62000	5000	μg/Kg	1000	11/22/2002
Methylene chloride	ND	5.5	μg/Kg	1	11/20/2002
MTBE	ND	5.5	μg/Kg	1	11/20/2002
n-Butylbenzene	250	5.5	μg/Kg	1	11/20/2002
n-Propylbenzene	6300	500	μg/Kg	100	11/21/2002
Naphthalene	12000	500	μg/Kg	100	11/21/2002
o-Xylene	22000	500	μg/Kg	100	11/21/2002
sec-Butylbenzene	190	5.5	μg/Kg	1	11/20/2002
Styrene	ND	5.5	μg/Kg	1	11/20/2002
Tert-amyl methyl ether	ND	5.5	µg/Kg	1	11/20/2002
Tert-Butanol	ND	110	µg/Kg	1	11/20/2002
tert-Butylbenzene	ND	5.5	µg/Kg	1	11/20/2002
Tetrachloroethene	ND	5.5	µg/Kg	1	11/20/2002
Toluene	15000	500	µg/Kg	100	11/21/2002
trans-1,2-Dichloroethene	ND	5.5	μg/Kg	1	11/20/2002
Trichloroethene	170	5.5	μg/Kg	1	11/20/2002
Trichlorofluoromethane	ND	5.5	μg/Kg	1	11/20/2002
Vinyl chloride	ND	5.5	μg/Kg	1	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 34 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-005C

Client Sample ID: 7C

Collection Date: 11/20/2002 2:55:00 PM

Matrix: SOIL

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS	BY GC/FID		•		
			EPA 8015B(M)		
RunID: GC2_021121A	QC Batch: E02	VS293			Analyst: GG
GRO	1100	50	mg/Kg	50	11/21/2002
YDROCARBON CHAIN IDENT	FIFICATION BY ENCOR	RE			
			EPA 8015B		
RunID: GC2_021121A	QC Batch: E02	VS293			Analyst: GG
T/R Hydrocarbons: C5-C12	1100	50	mg/Kg	50	11/21/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 35 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

DO - Surrogate Diluted Out

Client Sample ID: 7D

Lab Order:

060026

Sab Order. 00002

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:00:00 PM

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Lab ID: 060026-006A

Matrix: SOIL

Analyses		Result	Limit	Qual Units	DF	Date Analyzed
ICP METALS				·····		
	(EPA	3050A)		EPA 6010B		
RunID: ICP2_02112	la QC	Batch: 114	463			Analyst: RQ
Antimony		0.50	0.25	mg/Kg	1	11/21/2002
Arsenic		7.4	0.25	mg/Kg	1	11/21/2002
Barium		180	0.15	mg/Kg	1	11/21/2002
Beryllium		ND	0.15	mg/Kg	1	11/21/2002
Cadmium		ND	0.15	mg/Kg	1	11/21/2002
Chromium		24	0.15	mg/Kg	1	11/21/2002
Cobalt		11	0.15	mg/Kg	1	11/21/2002
Copper		30	0.15	mg/Kg	1	11/21/2002
Lead		12	0.25	mg/Kg	1	11/21/2002
Molybdenum		0.50	0.25	mg/Kg	1	11/21/2002
Nickel		20	0.15	mg/Kg	1	11/21/2002
Selenium		ND	0.25	mg/Kg	1	11/21/2002
Silver		ND	0.15	mg/Kg	1	11/21/2002
Thallium		1.5	0.25	mg/Kg	1	11/21/2002
Vanadium		36	0.15	mg/Kg	1	11/21/2002
Zinc		64	0.50	mg/Kg	1	11/21/2002
	RGANICS BY GC/FID (LUFT))		EPA 8015B(M))	
RunID: GC7_02112	0A QC	Batch: 114	148			Analyst: IG
Diesel		12000	100	mg/Kg	10	11/20/2002
HYDROCARBON C	HAIN IDENTIFICATI	ON				
	(LUFT)			EPA 8015B		
RunID: GC7_02112	DA QC	Batch: 114	148			Analyst: IG
T/R Hydrocarbons: >	C32	2600	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C	10-C12	1600	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C	13-C15	2000	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C	16-C22	5600	100	mg/Kg	10	11/20/2002
T/R Hydrocarbons: C	23-C32	12000	100	mg/Kg	10	11/20/2002
PCB BY GC/ECD						
	(EPA 3	550B)		EPA 8082		
RunID: GC5_021120	DA QC	Batch: 114	149			Analyst: EES
Aroclor 1016		ND	33	μg/Kg	1	11/21/2002
Qualifiers: NI) - Not Detected at the Re	porting Limit		S - Spike/Surrogate ou	tside of limits due	to matrix interferen
_	Analyte detected below qu			S - Spike/Surrogate outside of limits due to matrix into H - Sample exceeded analytical holding time		
	Analyte detected in the a		Blank	E - Value above quant		

Results are wet unless otherwise specified

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7D

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:00:00 PM

Lab ID:

060026-006A

Matrix: SOIL

Analys	es	Res	ult	Limit	Qual Units	DF	Date Analyzed
PCB B	Y GC/ECD						
		(EPA 3550B)			EPA 8082		
RunID:	GC5_021120A	QC Batch:	11449				Analyst: EES
Aroclo	r 1221		ND	67	μg/Kg	1	11/21/2002
Aroclo	r 1232		ND	33	μg/Kg	1	11/21/2002
Aroclo	r 1242	:	300	33	μg/Kg	1	11/21/2002
Aroclo	r 1248		ND	33	μg/Kg	1	11/21/2002
Aroclo	r 1254		ND	33	μg/Kg	1	11/21/2002
Aroclo	r 1260		ND	33	μg/Kg	1	11/21/2002
Aroclo	r 1262		ND	33	μg/Kg	1	11/21/2002
Aroclo	r 1268		ND	33	µg/Kg	1	11/21/2002
MERC	JRY BY COLD VAPO	R TECHNIQUE					
		(EPA 7471)			EPA 7471A		
RunID:	AA1_021121A	QC Batch:	11464				Analyst: NS
Mercu	ry		ND	0.10	mg/Kg	. 1	11/21/2002
SEMIV	OLATILE ORGANIC	COMPOUNDS BY	SC/MS				
		(EPA 3550B)			EPA 8270C		
RunID:	MS6_021120A	QC Batch:	11459				Analyst: IG
1,2,4-	Trichlorobenzene		ND	6600	μg/Kg	10	11/20/2002
1,2-Di	chlorobenzene		ND	6600	μg/Kg	10	11/20/2002
1,3-Di	chlorobenzene		ND	6600	μg/Kg	10	11/20/2002
1,4-Di	chlorobenzene		ND	6600	μg/Kg	10	11/20/2002
2,4,5-	Trichlorophenol		ND	6600	μg/Kg	10	11/20/2002
2,4,6-	Trichlorophenol		ND	6600	μg/Kg	10	11/20/2002
2,4-Di	chlorophenol		ND	33000	μg/Kg	10	11/20/2002
2,4-Di	methylphenol		ND	6600	μ g /Kg	10	11/20/2002
2,4-Di	nitrophenol		ND	33000	μg/Kg	10	11/20/2002
2,4-Di	nitrotoluene		ND	6600	μg/Kg	10	11/20/2002
2,6-Di	nitrotoluene		ND	6600	μg/Kg	10	11/20/2002
2-Chlo	oronaphthalene		ND	6600	μg/Kg	10	11/20/2002
2-Chlo	prophenol		ND	6600	μg/Kg	10	11/20/2002
2-Met	hylnaphthalene	17	000	6600	μg/Kg	10	11/20/2002
2-Met	nylphenol		ND	6600	μg/Kg	10	11/20/2002
2-Nitro	paniline		ND	33000	μg/Kg	10	11/20/2002
2-Nitro	phenol		ND	6600	μg/Kg	10	11/20/2002
	ichlorobenzidine		ND	13000	μg/Kg	10	11/20/2002
3,3′-D	ioi noi obolizionio						

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike/Surrogate outside of limits due to matrix interferen

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

Results are wet unless otherwise specified

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Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7D

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:00:00 PM

Lab ID:

060026-006A

Matrix: SOIL

Analys	es	Res	sult	Limit	Qual	Units	DF	Date Analyzed
SEMIV	OLATILE ORGANIC C	OMPOUNDS BY	GC/MS					
		(EPA 3550B)			E	PA 8270C		
RunID:	MS6_021120A	QC Batch:	11459					Analyst: IG
4,6-Di	nitro-2-methylphenol		ND	33000		μg/Kg	10	11/20/2002
4-Bron	nophenyl-phenylether		ND	6600		μg/Kg	10	11/20/2002
4-Chlo	ro-3-methylphenol		ND	13000		μg/Kg	10	11/20/2002
4-Chlo	roaniline		ND	13000		μg/Kg	10	11/20/2002
4-Chlo	rophenyl-phenylether		ND	6600		μg/Kg	10	11/20/2002
4-Meth	nylphenol		ND	6600		μg/Kg	10	11/20/2002
4-Nitro	paniline		ND	33000		μg/Kg	10	11/20/2002
4-Nitro	phenol		ND	33000		μg/Kg	10	11/20/2002
Acena	phthene		ND	6600		μg/Kg	10	11/20/2002
	phthylene		ND	6600		μg/Kg	10	11/20/2002
Anthra	cene		ND	6600		μg/Kg	10	11/20/2002
Benzio	line (M)		ND	33000		μg/Kg	10	11/20/2002
Benzo	(a)anthracene		ND	6600		μg/Kg	10	11/20/2002
Benzo	(a)pyrene		ND	6600		μg/Kg	10	11/20/2002
Benzo	(b)fluoranthene		ND	6600		μg/Kg	10	11/20/2002
Benzo	(g,h,i)perylene		ND	6600		µg/Kg	10	11/20/2002
Benzo	(k)fluoranthene		ND	6600		μg/Kg	10	11/20/2002
Benzo	ic acid		ND	33000		μg/Kg	10	11/20/2002
Benzy	alcohol		ND	13000		μg/Kg	10	11/20/2002
	chloroethoxy)methane		ND	6600		μg/Kg	10	11/20/2002
-	chloroethyl)ether		ND	6600		μg/Kg	10	11/20/2002
Bis(2-0	chloroisopropyl)ether		ND	6600		μg/Kg	10	11/20/2002
Bis(2-6	ethylhexyl)phthalate		ND	6600		μg/Kg	10	11/20/2002
	enzylphthalate		ND	6600		μg/Kg	10	11/20/2002
Chryse	ene		ND	6600		μg/Kg	10	11/20/2002
Di-n-b	utyiphthalate		ND	6600		μg/Kg	10	11/20/2002
Di-n-o	ctylphthalate		ND	6600		μg/Kg	10	11/20/2002
Dibenz	(a,h)anthracene		ND	6600		μg/Kg	10	11/20/2002
Dibenz	ofuran		ND	6600		μg/Kg	10	11/20/2002
Diethy	lphthalate		ND	6600		μg/Kg	10	11/20/2002
•	nylphthalate		ND	6600		µg/Kg	10	11/20/2002
Fluora	nthene		ND	6600		µg/Kg	10	11/20/2002
Fluore	ne		ND	6600		µg/Kg	10	11/20/2002
Hexac	hlorobenzene		ND	6600		µg/Kg	10	11/20/2002
Hexac	hlorobutadiene		ND	13000		µg/Kg	10	11/20/2002
Hexac	hlorocyclopentadiene		ND	13000		μg/Kg	10	11/20/2002
	hioroethane		ND	6600		µg/Kg	10	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike/Surrogate outside of limits due to matrix interferen

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

Results are wet unless otherwise specified

Page 38 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7D

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:00:00 PM

Lab ID:

060026-006A

Matrix: SOIL

Analyses	Re	sult	Limit (Qual Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B)				EPA 8270C		
RunID: MS6_021120A	QC Batch:	11459				Analyst: IG
Indeno(1,2,3-cd)pyrene		ND	6600	μg/Kg	10	11/20/2002
Isophorone		ND	6600	µg/Kg	10	11/20/2002
N-Nitrosodi-n-propylamine		ND	6600	µg/Kg	. 10	11/20/2002
N-Nitrosodiphenylamine		ND	6600	μg/Kg	10	11/20/2002
Naphthalene		ND	6600	μg/Kg	10	11/20/2002
Nitrobenzene		ND	6600	μg/Kg	10	11/20/2002
Pentachlorophenol		ND	33000	μg/Kg	10	11/20/2002
Phenanthrene		ND	6600	µg/Kg	10	11/20/2002
Phenol		ND	6600	μg/Kg	10	11/20/2002
Pyrene		ND	6600	μg/Kg	10	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 39 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7D

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:00:00 PM

Lab ID: 060026-006B

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed	
VOLATILE ORGANICS BY GC/	MS PLUS OXYGENAT	ES				
			8260+OX			
RunID: MS3_021120A	QC Batch: R02	2VS144			Analyst: GG	
1,1,1,2-Tetrachloroethane	ND	4.6	μg/Kg	1	11/20/2002	
1,1,1-Trichloroethane	7000	500	µg/Kg	100	11/21/2002	
1,1,2,2-Tetrachloroethane	ND	4.6	μg/Kg	1	11/20/2002	
1,1,2-Trichloroethane	ND	4.6	μ g /Kg	1	11/20/2002	
1,1-Dichloroethane	880	500	μg/Kg	100	11/21/2002	
1,1-Dichloroethene	6.0	4.6	μg/Kg	1	11/20/2002	
1,1-Dichloropropene	ND	4.6	μg/Kg	1	11/20/2002	
1,2,3-Trichlorobenzene	ND	4.6	μg/Kg	1	11/20/2002	
1,2,3-Trichloropropane	ND	4.6	μg/Kg	1	11/20/2002	
1,2,4-Trichlorobenzene	ND	4.6	μg/Kg	1	11/20/2002	
1,2,4-Trimethylbenzene	18000	500	μg/Kg	100	11/21/2002	
1,2-Dibromo-3-chloropropane	ND	4.6	μg/Kg	1	11/20/2002	
1,2-Dibromoethane	ND	4.6	μg/Kg	1	11/20/2002	
1,2-Dichlorobenzene	ND	4.6	μg/Kg	1	11/20/2002	
1,2-Dichloroethane	ND	4.6	μg/Kg	1	11/20/2002	
1,2-Dichloropropane	ND	4.6	μg/Kg	1	11/20/2002	
1,3,5-Trimethylbenzene	6900	500	μg/Kg	100	11/21/2002	
1,3-Dichlorobenzene	ND	4.6	μg/Kg	1	11/20/2002	
1,3-Dichloropropane	ND	4.6	μg/Kg	1	11/20/2002	
1,4-Dichlorobenzene	ND	4.6	μg/Kg	1	11/20/2002	
2,2-Dichloropropane	ND	4.6	μg/Kg	1	11/20/2002	
2-Chlorotoluene	ND	4.6	μg/Kg	1	11/20/2002	
4-Chlorotoluene	63	4.6	μg/Kg	1	11/20/2002	
4-Isopropyltoluene	140	4.6	μg/Kg	1	11/20/2002	
Benzene	36	4.6	μ g /Kg	1	11/20/2002	
Bromobenzene	ND	4.6	μg/Kg	1	11/20/2002	
Bromodichloromethane	ND	4.6	μg/Kg	1	11/20/2002	
Bromoform	ND	4.6	μg/Kg	1	11/20/2002	
Bromomethane	ND	4.6	μg/Kg	1	11/20/2002	
Carbon tetrachloride	ND	4.6	μg/Kg	1	11/20/2002	
Chlorobenzene	120	4.6	μg/Kg	1	11/20/2002	
Chloroethane	ND	4.6	μg/Kg	1	11/20/2002	
Chloroform	ND	4.6	μg/Kg	1	11/20/2002	
Chloromethane	ND	4.6	μg/Kg	1	11/20/2002	
cis-1,2-Dichloroethene	130	4.6	μg/Kg	1	11/20/2002	
cis-1,3-Dichloropropene	ND	4.6	μg/Kg	1	11/20/2002	
Di-isopropyl ether	ND	4.6	μg/Kg	1	11/20/2002	

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike/Surrogate outside of limits due to matrix interferen

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

Results are wet unless otherwise specified

Page 40 of 56

Date: 22-Nov-02

CLIENT:

Lab ID:

Ninyo & Moore

Client Sample ID: 7D

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Matrix: SOIL

Collection Date: 11/20/2002 3:00:00 PM

060026-006B

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed
VOLATILE ORGANICS BY GO	C/MS PLUS OXYGENAT	ES			
			8260+OX		
RunID: MS3_021120A	QC Batch: R02	2VS144			Analyst: GG
Dibromochloromethane	ND	4.6	μg/Kg	1	11/20/2002
Dibromomethane	ND	4.6	μg/Kg	1	11/20/2002
Dichlorodifluoromethane	ND	4.6	μg/Kg	1	11/20/2002
Ethyl tert-butyl ether	ND	4.6	μg/Kg	1	11/20/2002
Ethylbenzene	24000	500	μg/Kg	100	11/21/2002
Hexachlorobutadiene	ND	4.6	μg/Kg	1	11/20/2002
Isopropylbenzene	310	4.6	μg/Kg	1	11/20/2002
m,p-Xylene	140000	10000	μg/Kg	2000	11/22/2002
Methylene chloride	ND	4.6	μg/Kg	1	11/20/2002
MTBE	ND	4.6	μg/Kg	1	11/20/2002
n-Butylbenzene	150	4.6	μg/Kg	1	11/20/2002
n-Propylbenzene	400	4.6	μg/Kg	1	11/20/2002
Naphthalene	6700	500	μg/Kg	100	11/21/2002
o-Xylene	27000	500	μg/Kg	100	11/21/2002
sec-Butylbenzene	100	4.6	μg/Kg	1	11/20/2002
Styrene	ND	4.6	μg/Kg	1	11/20/2002
Tert-amyl methyl ether	ND	4.6	μg/Kg	1	11/20/2002
Tert-Butanol	ND	92	μ g /Kg	1	11/20/2002
tert-Butylbenzene	ND	4.6	μg/Kg	1	11/20/2002
Tetrachloroethene	ND	4.6	μg/Kg	1	11/20/2002
Toluene	28000	500	μg/Kg	100	11/21/2002
trans-1,2-Dichloroethene	ND	4.6	μg/Kg	1	11/20/2002
Trichloroethene	57	4.6	μg/Kg	1	11/20/2002
Trichlorofluoromethane	ND	4.6	μg/Kg	1	11/20/2002
Vinyl chloride	ND	4.6	μg/Kg	1	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 41 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7D

Lab Order:

060026

Project: Bloom

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:00:00 PM

Lab ID:

060026-006C

Matrix: SOIL

Analys	es	Resu	lt Limit	Qual Units	DF	Date Analyzed
GASOL	INE RANGE ORGANIC	S BY GC/FID				
				EPA 8015B(M)		
RunID:	GC2_021121A	QC Batch:	E02VS293			Analyst: GG
GRO		96	50 50	mg/Kg	50	11/21/2002
HYDRO	CARBON CHAIN IDEN	TIFICATION BY E	NCORE			
				EPA 8015B		
RunID:	GC2_021121A	QC Batch:	E02VS293			Analyst: GG
T/R Hy	drocarbons: C5-C12	96	50 50	mg/Kg	50	11/21/2002

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified Page 42 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7E

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:05:00 PM

Lab ID:

060026-007A

Matrix: SOIL

Analyses		Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS		· . •					
	(EP	A 3050A)		Ε	PA 6010B		
RunID: ICP2_02112	21A	QC Batch: 11	463				Analyst: RQ
Antimony		1.0	0.25		mg/Kg	1	11/21/2002
Arsenic		8.4	0.25		mg/Kg	1	11/21/2002
Barium		210	0.15		mg/Kg	1	11/21/2002
Beryllium		ND	0.15		mg/Kg	1	11/21/2002
Cadmium		ND	0.15		mg/Kg	1	11/21/2002
Chromium		31	0.15		mg/Kg	1	11/21/2002
Cobalt		12	0.15		mg/Kg	1	11/21/2002
Copper		40	0.15		mg/Kg	1	11/21/2002
Lead		16	0.25		mg/Kg	1	11/21/2002
Molybdenum		2.5	0.25		mg/Kg	1	11/21/2002
Nickel		24	0.15		mg/Kg	1	11/21/2002
Selenium		ND	0.25		mg/Kg	1	11/21/2002
Silver		ND	0.15		mg/Kg	1	11/21/2002
Thallium		1.5	0.25		mg/Kg	1	11/21/2002
Vanadium		44	0.15		mg/Kg	1	11/21/2002
Zinc		110	0.50		mg/Kg	1	11/21/2002
DIESEL RANGE OI	RGANICS BY GC/	FID					
	(LU	FT)		EP	A 8015B(M)		
RunID: GC7_02112	0A	QC Batch: 114	448				Analyst: IG
Diesel		6300	100		mg/Kg	10	11/20/2002
HYDROCARBON C	HAIN IDENTIFICA	ATION					
	(LU	FT)		E	PA 8015B		
RunID: GC7_02112	0A	QC Batch: 114	148				Analyst: IG
T/R Hydrocarbons: >	•C32	1300	100		mg/Kg	10	11/20/2002
T/R Hydrocarbons: 0	C10-C12	1600	100		mg/Kg	10	11/20/2002
T/R Hydrocarbons: 0	C13-C15	1600	100		mg/Kg	10	11/20/2002
T/R Hydrocarbons: 0	C16-C22	3300	100		mg/Kg	10	11/20/2002
T/R Hydrocarbons: 0	23-C32	5500	100		mg/Kg	10	11/20/2002
PCB BY GC/ECD							
	-	A 3550B)		E	PA 8082		
RunID: GC5_02112	0A (QC Batch: 114	149				Analyst: EES
Aroclor 1016		ND	33		µg/Kg	1	11/21/2002
Qualifiers: NI	O - Not Detected at the	Reporting Limit		S - Spika	/Surrogate outs	side of limits due t	to matrix interferen
_	Analyte detected below	-		H - Sam			
	- Analyte detected in th	_	Blank		e above quantita	•	
					•	_	

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7E

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:05:00 PM

Lab ID:

060026-007A

Matrix: SOIL

Result Limit Qual Units Analyses DF Date Analyzed PCB BY GC/ECD (EPA 3550B) **EPA 8082** GC5_021120A QC Batch: RunID: 11449 Analyst: EES Aroclor 1221 ND 67 µg/Kg 1 11/21/2002 Aroclor 1232 ND 33 µg/Kg 1 11/21/2002 Aroclor 1242 ND 33 μg/Kg 1 11/21/2002 Aroclor 1248 ND 33 µg/Kg 1 11/21/2002 Aroclor 1254 ND 33 µg/Kg 11/21/2002 Aroclor 1260 ND 33 µg/Kg 11/21/2002 Aroclor 1262 ND 33 μg/Kg 11/21/2002 Aroclor 1268 ND µg/Kg 33 11/21/2002 **MERCURY BY COLD VAPOR TECHNIQUE** (EPA 7471) **EPA 7471A** RuniD: AA1_021121A QC Batch: 11464 Analyst: NS ND Mercury 0.10 1 11/21/2002 mg/Kg SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B) **EPA 8270C** RunID: MS7_021120A QC Batch: 11459 Analyst: IG 1,2,4-Trichlorobenzene ND 13000 20 11/20/2002 µg/Kg 1,2-Dichlorobenzene ND 13000 µg/Kg 20 11/20/2002 1,3-Dichlorobenzene ND 13000 µg/Kg 20 11/20/2002 1.4-Dichlorobenzene ND 13000 μg/Kg 20 11/20/2002 2,4,5-Trichlorophenol ND 13000 20 μg/Kg 11/20/2002 2,4,6-Trichlorophenol ND 13000 µg/Kg 20 11/20/2002 2,4-Dichlorophenol ND 66000 20 µg/Kg 11/20/2002 2,4-Dimethylphenol ND 13000 20 μg/Kg 11/20/2002 2,4-Dinitrophenol ND 66000 20 μg/Kg 11/20/2002 2,4-Dinitrotoluene ND 13000 µg/Kg 20 11/20/2002 2,6-Dinitrotoluene ND 13000 μg/Kg 20 11/20/2002 2-Chloronaphthalene ND 13000 µg/Kg 20 11/20/2002 2-Chlorophenol ND 13000 μg/Kg 20 11/20/2002 2-Methylnaphthalene 18000 13000 μg/Kg 20 11/20/2002 2-Methylphenol ND 13000 20 µg/Kg 11/20/2002 2-Nitroaniline ND 66000 µg/Kg 20 11/20/2002 2-Nitrophenol ND 13000 μg/Kg 20 11/20/2002 3,3'-Dichlorobenzidine ND 26000 20 µg/Kg 11/20/2002 3-Nitroaniline ND 66000 µg/Kg 20 11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike/Surrogate outside of limits due to matrix interferen

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

E - Value above quantitation range

Results are wet unless otherwise specified

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Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7E

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:05:00 PM

Lab ID:

060026-007A

Matrix: SOIL

Analyses		Resul	t Limi	t Qual	Units	DF	Date Analyzed	
SEMIVOLATILE C	RGANIC CO	MPOUNDS BY GO	:/MS	-				
		(EPA 3550B)		E	PA 8270C			
RunID: MS7_0211	20A	QC Batch:	11459				Analyst: IG	
4,6-Dinitro-2-methy	yiphenol	N	D 66000)	µg/Kg	20	11/20/2002	
4-Bromophenyl-ph	-	N	D 13000)	μg/Kg	20	11/20/2002	
4-Chloro-3-methylp	•	N	26000)	μg/Kg	20	11/20/2002	
4-Chloroaniline		N	D 26000)	µg/Kg	20	11/20/2002	
4-Chlorophenyl-ph	envlether	N	D 13000)	μg/Kg	20	11/20/2002	
4-Methylphenol	•	N	D 13000)	μg/Kg	20	11/20/2002	
4-Nitroaniline		N	D 66000)	μg/Kg	20	11/20/2002	
4-Nitrophenol		N	66000)	μg/Kg	20	11/20/2002	
Acenaphthene		N)	μg/Kg	20	11/20/2002	
Acenaphthylene		N			μg/Kg	20	11/20/2002	
Anthracene		N	D 13000)	μg/Kg	20	11/20/2002	
Benzidine (M)		N	D 66000)	μg/Kg	20	11/20/2002	
Benzo(a)anthracer	ne	N			μg/Kg	20	11/20/2002	
Benzo(a)pyrene		N	D 13000) ·	μg/Kg	20	11/20/2002	
Benzo(b)fluoranthe	ene	N	D 13000)	μg/Kg	20	11/20/2002	
Benzo(g,h,i)peryle		N	-		μg/Kg	20	11/20/2002	
Benzo(k)fluoranthe		N	D 13000)	μg/Kg	20	11/20/2002	
Benzoic acid		N)	µg/Kg	20	11/20/2002	
Benzył alcohol		N			μg/Kg	20	11/20/2002	
Bis(2-chloroethoxy)methane	N	D 13000)	μg/Kg	20	11/20/2002	
Bis(2-chloroethyl)e	-	N	13000)	μg/Kg	20	11/20/2002	
Bis(2-chloroisopro		N.			µg/Kg	20	11/20/2002	
Bis(2-ethylhexyl)pl		N			µg/Kg	20	11/20/2002	
Butylbenzylphthala		N			μg/Kg	20	11/20/2002	
Chrysene		N			µg/Kg	20	11/20/2002	
Di-n-butylphthalate	1	N			μg/Kg	20	11/20/2002	
Di-n-octylphthalate		N			μg/Kg	20	11/20/2002	
Dibenz(a,h)anthrac		N			μg/Kg	20	11/20/2002	
Dibenzofuran		N			µg/Kg	20	11/20/2002	
Diethylphthalate		N			μg/Kg	20	11/20/2002	
Dimethylphthalate		N			μg/Kg	20	11/20/2002	
Fluoranthene		N			µg/Kg	20	11/20/2002	
Fluorene		Ni Ni			µg/Kg	20	11/20/2002	
Hexachlorobenzen	e	N			µg/Kg	20	11/20/2002	
Hexachlorobutadie	пе	N			µg/Kg	20	11/20/2002	
Hexachlorocyclope		N			μg/Kg	20	11/20/2002	
Hexachloroethane	•	NI NI			μg/Kg	20	11/20/2002	

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike/Surrogate outside of limits due to matrix interferen

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

Results are wet unless otherwise specified

Page 45 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

060026

Lab Order: Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-007A

Client Sample ID: 7E

Collection Date: 11/20/2002 3:05:00 PM

Matrix: SOIL

Analyses	Re	sult	Limit	Qual Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY G (EPA 3550B)		GC/MS		EPA 8270C		
RunID: MS7_021120A	QC Batch:	11459				Analyst: IG
Indeno(1,2,3-cd)pyrene		ND	13000	μg/Kg	20	11/20/2002
Isophorone		ND	13000	μg/Kg	20	11/20/2002
N-Nitrosodi-n-propylamine		ND	13000	μg/Kg	20	11/20/2002
N-Nitrosodiphenylamine		ND	13000	μg/Kg	20	11/20/2002
Naphthalene		ND	13000	μg/Kg	20	11/20/2002
Nitrobenzene		ND	13000	μg/Kg	20	11/20/2002
Pentachlorophenol		ND	66000	μg/Kg	20	11/20/2002
Phenanthrene		ND	13000	µg/Kg	20	11/20/2002
Phenol		ND	13000	μg/Kg	20	11/20/2002
Pyrene		ND	13000	μg/Kg	20	11/20/2002

Qualiflers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 46 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7E

Lab Order:

060026

Project: Blo

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:05:00 PM

Lab ID:

060026-007B

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed	
VOLATILE ORGANICS BY GC/	MS PLUS OXYGENA	TES				
			8260+OX			
RunID: MS3_021120A	QC Batch: R	02VS144			Analyst: GG	
1,1,1,2-Tetrachloroethane	ND	4.2	μg/Kg	1	11/20/2002	
1,1,1-Trichloroethane	1400	500	μg/Kg	100	11/21/2002	
1,1,2,2-Tetrachloroethane	ND	4.2	μg/Kg	1	11/20/2002	
1,1,2-Trichloroethane	ND	4.2	μg/Kg	1	11/20/2002	
1,1-Dichloroethane	150	4.2	μg/Kg	1	11/20/2002	
1,1-Dichloroethene	ND	4.2	μg/Kg	1	11/20/2002	
1,1-Dichloropropene	ND	4.2	μg/Kg	1	11/20/2002	
1,2,3-Trichlorobenzene	ND	4.2	μg/Kg	1	11/20/2002	
1,2,3-Trichloropropane	ND	4.2	μg/Kg	1	11/20/2002	
1,2,4-Trichlorobenzene	ND	4.2	μg/Kg	1	11/20/2002	
1,2,4-Trimethylbenzene	20000	500	μg/Kg	100	11/21/2002	
1,2-Dibromo-3-chloropropane	ND	4.2	μg/Kg	1	11/20/2002	
1,2-Dibromoethane	ND	4.2	μg/Kg	1	11/20/2002	
1,2-Dichlorobenzene	200	4.2	μg/Kg	1	11/20/2002	
1,2-Dichloroethane	ND	4.2	μg/Kg	1	11/20/2002	
1,2-Dichloropropane	ND	4.2	μg/Kg	1	11/20/2002	
1,3,5-Trimethylbenzene	7100	500	μg/Kg	100	11/21/2002	
1,3-Dichlorobenzene	ND	4.2	μg/Kg	1	11/20/2002	
1,3-Dichloropropane	ND	4.2	μg/Kg	1	11/20/2002	
1,4-Dichlorobenzene	ND	4.2	μg/Kg	1	11/20/2002	
2,2-Dichloropropane	ND	4.2	μg/Kg	1	11/20/2002	
2-Chlorotoluene	ND	4.2	μg/Kg	1	11/20/2002	
4-Chlorotoluene	ND	4.2	μg/Kg	1	11/20/2002	
4-Isopropyltoluene	110	4.2	μg/Kg	1	11/20/2002	
Benzene	7.0	4.2	μg/Kg	1	11/20/2002	
Bromobenzene	ND	4.2	μg/Kg	1	11/20/2002	
Bromodichloromethane	ND	4.2	μg/Kg	1	11/20/2002	
Bromoform	ND	4.2	μg/Kg	1	11/20/2002	
Bromomethane	ND	4.2	μg/Kg	1	11/20/2002	
Carbon tetrachloride	ND	4.2	μg/Kg	1	11/20/2002	
Chlorobenzene	ND.	4.2	μg/Kg	1	11/20/2002	
Chloroethane	ND	4.2	μg/Kg	1	11/20/2002	
Chloroform	ND	4.2	μg/Kg	1	11/20/2002	
Chloromethane	ND	4.2	μg/Kg	1	11/20/2002	
cis-1,2-Dichloroethene	24	4.2	μg/Kg	1	11/20/2002	
cis-1,3-Dichloropropene	ND	4.2	μg/Kg	1	11/20/2002	
Di-isopropyl ether	ND	4.2	μg/Kg	1	11/20/2002	

Qualiflers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 47 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

060026

Project: Lab ID: Bloomfield Business Center, 203571006

060026-007B

Client Sample ID: 7E

-

Collection Date: 11/20/2002 3:05:00 PM

Matrix: SOIL

Analyses	Result	Limit Qu	ual Units	DF	Date Analyzed	
VOLATILE ORGANICS BY G	C/MS PLUS OXYGENAT	ES				
			8260+OX			
RunID: MS3_021120A	QC Batch: R02	VS144			Analyst: GG	
Dibromochloromethane	ND	4.2	μg/Kg	1	11/20/2002	
Dibromomethane	ND	4.2	μg/Kg	1	11/20/2002	
Dichlorodifluoromethane	ND	4.2	µg/Kg	1	11/20/2002	
Ethyl tert-butyl ether	ND	4.2	μg/Kg	1	11/20/2002	
Ethylbenzene	6600	500	μg/Kg	100	11/21/2002	
Hexachlorobutadiene	ND	4.2	µg/Kg	1	11/20/2002	
Isopropylbenzene	220	4.2	μ g /Kg	1	11/20/2002	
m,p-Xylene	27000	500	µg/Kg	100	11/21/2002	
Methylene chloride	ND	4.2	μg/Kg	1	11/20/2002	
MTBE	ND	4.2	μg/Kg	1	11/20/2002	
n-Butylbenzene	110	4.2	μg/Kg	1	11/20/2002	
n-Propylbenzene	270	4.2	μ g /Kg	1	11/20/2002	
Naphthalene	6700	500	μ g/Kg	100	11/21/2002	
o-Xylene	13000	500	μg/Kg	100	11/21/2002	
sec-Butylbenzene	76	4.2	μg/Kg	1	11/20/2002	
Styrene	ND	4.2	µg/Kg	1	11/20/2002	
Tert-amyl methyl ether	ND	4.2	μg/Kg	1	11/20/2002	
Tert-Butanol	ND	83	μg/Kg	1	11/20/2002	
tert-Butylbenzene	ND	4.2	μg/Kg	1	11/20/2002	
Tetrachloroethene	ND	4.2	μg/Kg	1	11/20/2002	
Toluene	160	4.2	μg/Kg	1	11/20/2002	
trans-1,2-Dichloroethene	ND	4.2	μg/Kg	1	11/20/2002	
Trichloroethene	23	4.2	μ g/K g	1	11/20/2002	
Trichlorofluoromethane	ND	4.2	μg/Kg	1	11/20/2002	
Vinyl chloride	ND	4.2	μg/Kg	1	11/20/2002	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 48 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-007C

Client Sample ID: 7E

.

Collection Date: 11/20/2002 3:05:00 PM

Matrix: SOIL

Analys	es	Res	ult L	imit Q	ual Units	DF	Date Analyzed
GASOL	INE RANGE ORGANIC	S BY GC/FID					
					EPA 8015B(M)		
RunID:	GC2_021121A	QC Batch:	E02VS29	3			Analyst: GG
GRO		7	790	50	mg/Kg	50	11/21/2002
HYDRO	CARBON CHAIN IDEN	TIFICATION BY	ENCORE				
					EPA 8015B		
RunID:	GC2_021121A	QC Batch:	E02VS29	3			Analyst: GG
T/R H	/drocarbons: C5-C12	7	790	50	mg/Kg	50	11/21/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 49 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Client Sample ID: 7F

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:10:00 PM

Lab ID: 060026-008A Matrix: SOIL

Analyses	yses Result I		Limit	Qual	Units	DF	Date Analyzed
ICP METALS							· · · · · · · · · · · · · · · · · · ·
	(EPA 3050A)			El	PA 6010B		
RunID: ICP2_021121A	QC Batch:	11463					Analyst: RQ
Antimony	C	0.50	0.25		mg/Kg	1	11/21/2002
Arsenic		8.1	0.25		mg/Kg	1	11/21/2002
Barium		150	0.15		mg/Kg	1	11/21/2002
Beryllium		ND	0.15		mg/Kg	1	11/21/2002
Cadmium		ND	0.15		mg/Kg	1	11/21/2002
Chromium		24	0.15		mg/Kg	1	11/21/2002
Cobalt		10	0.15		mg/Kg	1	11/21/2002
Copper		30	0.15		mg/Kg	1	11/21/2002
Lead		4.5	0.25		mg/Kg	1	11/21/2002
Molybdenum	C).50	0.25		mg/Kg	1	11/21/2002
Nickel		19	0.15		mg/Kg	1	11/21/2002
Selenium		ND	0.25		mg/Kg	1	11/21/2002
Silver		ND	0.15		mg/Kg	1	11/21/2002
Thallium		1.0	0.25		mg/Kg	1	11/21/2002
Vanadium		36	0.15		mg/Kg	1	11/21/2002
Zinc		46	0.50		mg/Kg	1	11/21/2002
DIESEL RANGE ORGANIC	S BY GC/FID						
	(LUFT)			EPA	8015B(M)		
RunID: GC7_021120A	QC Batch:	11448					Analyst: IG
Diesel		ND	10		mg/Kg	1	11/21/2002
HYDROCARBON CHAIN II	DENTIFICATION						
	(LUFT)			EF	PA 8015B		
RunID: GC7_021120A	QC Batch:	11448					Analyst: IG
T/R Hydrocarbons: >C32		ND	10		mg/Kg	1	11/21/2002
T/R Hydrocarbons: C10-C12		ND	10		mg/Kg	1	11/21/2002
T/R Hydrocarbons: C13-C15		ND	10		mg/Kg	1	11/21/2002
T/R Hydrocarbons: C16-C22		ND	10		mg/Kg	1	11/21/2002
T/R Hydrocarbons: C23-C32		ND	10		mg/Kg	1	11/21/2002
PCB BY GC/ECD							
	(EPA 3550B)			E	PA 8082		
RunID: GC5_021120A	QC Batch:	11449					Analyst: EES
Aroclor 1016		ND	33		μg/Kg	1	11/21/2002
Qualifiers: ND - Not Do	etected at the Reporting Li	mit		S - Spike	/Surrogate outs	ide of limits due	to matrix interferen
	letected below quantitation				_	alytical holding	
J - Analyte c	B - Analyte detected in the associated Method E						
	detected in the associated	Method Bla	nk	E - Value	above quantita	ition range	

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

1111190 00 1111

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-008A

Client Sample ID: 7F

Collection Date: 11/20/2002 3:10:00 PM

Matrix: SOIL

Analyses	Resu	ılt	Limit	Qual Un	its DF	Date Analyzed
PCB BY GC/ECD						
	(EPA 3550B)			EPA	8082	
RunID: GC5_021120A	QC Batch:	11449				Analyst: EES
Aroclor 1221	N	ND	67	μ g/ l	Kg 1	11/21/2002
Aroclor 1232	•	ND	33	μg/l	Kg 1	11/21/2002
Aroclor 1242	N	ND	33	μg/l	Kg 1	11/21/2002
Aroclor 1248	N	ND.	33	μg/l		11/21/2002
Aroclor 1254	N	ND	33	μg/l	Kg 1	11/21/2002
Aroclor 1260	N	ND	33	μg/l	Kg 1	11/21/2002
Aroclor 1262	N	ND	33	μ g /l	Kg 1	11/21/2002
Aroclor 1268	1	ND	33	μg/1	Kg 1	11/21/2002
MERCURY BY COLD V	APOR TECHNIQUE					
	(EPA 7471)			EPA :	7471A	
RunID: AA1_021121A	QC Batch:	11464				Analyst: NS
Mercury		ND	0.10	mg/	Kg 1	11/21/2002
SEMIVOLATILE ORGA	NIC COMPOUNDS BY G	C/MS				
	(EPA 3550B)			EPA 8	B270C	
RunID: MS6_021120A	QC Batch:	11459				Analyst: IG
1,2,4-Trichlorobenzene	N	ND	330	μ g/ l	√g 1	11/20/2002
1,2-Dichlorobenzene	N	ND	330	μg/l	K g 1	11/20/2002
1,3-Dichlorobenzene	N	ND	330	μg/i	ري (g 1	11/20/2002
1,4-Dichlorobenzene	N	ND	330	μg/l	⟨g 1	11/20/2002
2,4,5-Trichlorophenol	N	1D	330	μg/l	Kg 1	11/20/2002
2,4,6-Trichlorophenol	N	1D	330	μg/l	√g 1	11/20/2002
2,4-Dichlorophenol	N	1D	1600	μg/l	√g 1	11/20/2002
2,4-Dimethylphenol	•	1D	330	µg/l	Kg 1	11/20/2002
2,4-Dinitrophenol		1D	1600	μg/l	(g 1	11/20/2002
2,4-Dinitrotoluene	N	1D	330	μg/ł	⟨g 1	11/20/2002
2,6-Dinitrotoluene	N	1D	330	μg/l	⟨g 1	11/20/2002
2-Chloronaphthalene	N	ND	330	μg/ł	(g 1	11/20/2002
2-Chlorophenol	N	1D	330	µg/l	(g 1	11/20/2002
2-Methylnaphthalene	N	I D	330	μg/l		11/20/2002
2-Methylphenol	N	ND	330	μg/ł	(g 1	11/20/2002
2-Nitroaniline	N	1D	1600	μg/H	(g 1	11/20/2002
2-Nitrophenol	7	ND	330	µg/⊦	(g 1	11/20/2002
3,3'-Dichlorobenzidine	٨	≬ D	660	µg/l	(g 1	11/20/2002
3-Nitroaniline	N	I D	1600	μg/ł	(g 1	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 51 of 56

Date: 22-Nov-02

CLIENT: Lab Order: Ninyo & Moore

060026

Project:

Bloomfield Business Center, 203571006

Collection Date: 11/20/2002 3:10:00 PM

Client Sample ID: 7F

Lab ID: 060026-008A		A		Ma	trix: SOIL	
Analyse	es	Result Li		Qual Units	DF	Date Analyzed
SEMIVO	DLATILE ORGANIC CO	OMPOUNDS BY GC/MS		EPA 8270C		
RuniD:	MS6_021120A	(EPA 3550B) QC Batch: 114	59	EPA 02/0C		Analyst: IG
	_					
	itro-2-methylphenol	ND	1600	μg/Kg	1	11/20/2002 11/20/2002
	nophenyl-phenylether	ND	330	μg/Kg	1	11/20/2002
	ro-3-methylphenol	ND	660	μg/Kg	1	
	roaniline	ND	660	μg/Kg	1	11/20/2002
	rophenyl-phenylether	ND	330	µg/Kg	1	11/20/2002
	ylphenol 	ND	330	μg/Kg	1	11/20/2002
4-Nitro		ND	1600	µg/Kg	1	11/20/2002
4-Nitro		ND	1600	μg/Kg	1	11/20/2002
-	ohthene	ND	330	μg/Kg	1	11/20/2002
	ohthylene	ND	330	μ g/Kg	1	11/20/2002
Anthra		, ND	330	μ g/Kg	1	11/20/2002
	ine (M)	ND	1600	μg/Kg	1	11/20/2002
	a)anthracene	ND	330	µg/Kg	1	11/20/2002
•	a)pyrene	ND	330	µg/Kg	1	11/20/2002
	b)fluoranthene	ND	330	µg/Kg	1	11/20/2002
	g,h,i)perylene	ND	330	µg/Kg	1	11/20/2002
Benzo(k)fluoranthene	ND	330	μg/Kg	1	11/20/2002
Benzoi	c acid	ND	1600	μ g /Kg	1	11/20/2002
Benzyl	alcohol	ND	660	μg/Kg	1	11/20/2002
Bis(2-c	hloroethoxy)methane	ND	330	µg/Kg	1	11/20/2002
Bis(2-c	hloroethyl)ether	ND	330	µg/Kg	1	11/20/2002
Bis(2-c	hloroisopropyl)ether	ND	330	μg/Kg	1	11/20/2002
Bis(2-e	thylhexyl)phthalate	ND	330	μg/Kg	1	11/20/2002
Butylbe	enzylphthalate	ND	330	μ g/ Kg	1	11/20/2002
Chryse	ne	ND	330	µg/Kg	1	11/20/2002
Di-n-bu	itylphthalate	ND	330	µg/Kg	1	11/20/2002
Di-n-oc	tylphthalate	ND	330	μg/Kg	1	11/20/2002
Dibenz	(a,h)anthracene	ND	330	μg/Kg	1	11/20/2002
Dibenz	ofuran	ND	330	μg/Kg	1	11/20/2002
Diethyl	phthalate	ND	330	μg/Kg	1	11/20/2002
Dimeth	ylphthalate	ND	330	µg/Kg	1	11/20/2002
Fluorar	nthene	ND	330	µg/Kg	1	11/20/2002
Fluoren	10	ND	330	μg/Kg	1	11/20/2002
Hexach	nlorobenzene	ND	330	μg/Kg	1	11/20/2002
Hexach	nlorobutadiene	ND	660	μg/Kg	1	11/20/2002
Hexach	nlorocyclopentadiene	ND	660	μg/Kg	1	11/20/2002
	loroethane	ND	330	μg/Kg	1	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike/Surrogate outside of limits due to matrix interferen

J - Analyte detected below quantitation limits

H - Sample exceeded analytical holding time

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

Results are wet unless otherwise specified

Page 52 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-008A

Client Sample ID: 7F

Collection Date: 11/20/2002 3:10:00 PM

Matrix: SOIL

Analys	es	Re	sult	Limit	Qual Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B)				EPA 8270C			
RunID:	MS6_021120A	QC Batch:	11459				Analyst: IG
Indend	o(1,2,3-cd)pyrene		ND	330	μg/Kg	1	11/20/2002
Isopho	orone		ND	330	μ g /Kg	1	11/20/2002
N-Nitro	osodi-n-propylamine		ND	330	μg/Kg	1	11/20/2002
N-Nitro	osodiphenylamine		ND	330	μg/Kg	1	11/20/2002
Naphti	halene		ND	330	μg/Kg	1	11/20/2002
Nitrob	enzene		ND	330	μg/Kg	1	11/20/2002
Pentac	chlorophenol		ND	1600	μg/Kg	1	11/20/2002
Phena	nthrene		ND	330	μg/Kg	1	11/20/2002
Pheno	d .		ND	330	μg/Kg	1	11/20/2002
Pyrene	е		ND	330	μg/Kg	1	11/20/2002

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 53 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-008B

Client Sample ID: 7F

Collection Date: 11/20/2002 3:10:00 PM

Matrix: SOIL

Analyses	Result	Result Limit Qual Units		Units	DF	Date Analyzed	
VOLATILE ORGANICS BY GC/	MS PLUS OXYGENAT	ES					
			1	8260+OX			
RunID: M\$3_021121B	QC Batch: R0	2V\$145		Analyst:			
1,1,1,2-Tetrachloroethane	ND	5.0		μg/Kg	1	11/21/2002	
1,1,1-Trichloroethane	22	5.0		μg/Kg	1	11/21/2002	
1,1,2,2-Tetrachloroethane	ND	5.0		μg/Kg	1	11/21/2002	
1,1,2-Trichloroethane	ND	5.0		μg/Kg	1	11/21/2002	
1,1-Dichloroethane	19	5.0		µg/Kg	1	11/21/2002	
1,1-Dichloroethene	ND	5.0		μg/Kg	1	11/21/2002	
1,1-Dichloropropene	ND	5.0		μg/Kg	1	11/21/2002	
1,2,3-Trichlorobenzene	ND	5.0		μg/Kg	1	11/21/2002	
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	11/21/2002	
1,2,4-Trichlorobenzene	ND	5.0		μg/Kg	1	11/21/2002	
1,2,4-Trimethylbenzene	ND	5.0		μg/Kg	1	11/21/2002	
1,2-Dibromo-3-chloropropane	ND	5.0		μg/Kg	1	11/21/2002	
1,2-Dibromoethane	ND	5.0		μg/Kg	1	11/21/2002	
1,2-Dichlorobenzene	ND	5.0		μg/Kg	1	11/21/2002	
1,2-Dichloroethane	ND	5.0		μg/Kg	1	11/21/2002	
1,2-Dichloropropane	ND	5.0		μg/Kg	1	11/21/2002	
1,3,5-Trimethylbenzene	ND	5.0		μg/Kg	1	11/21/2002	
1,3-Dichlorobenzene	ND	5.0		μg/Kg	1	11/21/2002	
1,3-Dichloropropane	ND	5.0		μg/Kg	1	11/21/2002	
1,4-Dichlorobenzene	ND	5.0		μg/Kg	1	11/21/2002	
2,2-Dichloropropane	ND	5.0		μg/Kg	1	11/21/2002	
2-Chlorotoluene	ND	5.0		μg/Kg	1	11/21/2002	
4-Chlorotoluene	ND	5.0		μg/Kg	1	11/21/2002	
4-Isopropyltoluene	ND	5.0		μg/Kg	1	11/21/2002	
Benzene	ND	5.0		μg/Kg	1	11/21/2002	
Bromobenzene	ND	5.0		μg/Kg	1	11/21/2002	
Bromodichloromethane	ND	5.0		μg/Kg	1	11/21/2002	
Bromoform	ND	5.0		μg/Kg	1	11/21/2002	
Bromomethane	ND	5.0		μg/Kg	1	11/21/2002	
Carbon tetrachloride	ND	5.0		μg/Kg	1	11/21/2002	
Chlorobenzene	ND	5.0		μg/Kg	1	11/21/2002	
Chloroethane	ND	5.0		μg/Kg	1	11/21/2002	
Chloroform	ND	5.0		μg/Kg	1	11/21/2002	
Chloromethane	ND	5.0		μg/Kg	1	11/21/2002	
cis-1,2-Dichloroethene	ND	5.0		μg/Kg	1	11/21/2002	
cis-1,3-Dichloropropene	ND	5.0		μg/Kg	1	11/21/2002	
Di-isopropyl ether	ND	5.0		μg/Kg	1	11/21/2002	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 54 of 56

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-008B

Client Sample ID: 7F

Collection Date: 11/20/2002 3:10:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
VOLATILE ORGANICS BY G	C/MS PLUS OXYGENA	ATES			
			8260+OX		
RunID: MS3_021121B	QC Batch: R	02VS145			Analyst: GG
Dibromochloromethane	ND	5.0	μg/Kg	1	11/21/2002
Dibromomethane	ND	5.0	µg/Kg	1	11/21/2002
Dichlorodifluoromethane	ND	5.0	μg/Kg	1	11/21/2002
Ethyl tert-butyl ether	ND	5.0	μg/Kg	1	11/21/2002
Ethylbenzene	ND	5.0	μg/Kg	1	11/21/2002
Hexachlorobutadiene	ND	5.0	μg/Kg	1	11/21/2002
Isopropylbenzene	ND	5.0	μg/Kg	1	11/21/2002
m,p-Xylene	ND	5.0	μg/Kg	1	11/21/2002
Methylene chloride	ND	5.0	μg/Kg	1	11/21/2002
MTBE	ND	5.0	μg/Kg	1	11/21/2002
n-Butylbenzene	ND	5.0	μg/Kg	1	11/21/2002
n-Propylbenzene	ND	5.0	μg/Kg	1	11/21/2002
Naphthalene	ND	5.0	μg/Kg	1	11/21/2002
o-Xylene	ND	5.0	μg/Kg	1	11/21/2002
sec-Butylbenzene	ND	5.0	μg/Kg	1	11/21/2002
Styrene	ND	5.0	μg/Kg	1	11/21/2002
Tert-amyl methyl ether	ND	5.0	μg/Kg	1	11/21/2002
Tert-Butanol	ND	100	µg/Kg	1	11/21/2002
tert-Butylbenzene	ND	5.0	μg/Kg	1	11/21/2002
Tetrachloroethene	ND	5.0	μg/Kg	1	11/21/2002
Toluene	7.5	5.0	μg/Kg	1	11/21/2002
trans-1,2-Dichloroethene	ND	5.0	μg/Kg	1	11/21/2002
Trichloroethene	ND	5.0	μg/Kg	1	11/21/2002
Trichlorofluoromethane	ND	5.0	μ g /Kg	1	11/21/2002
Vinyl chloride	ND	5.0	μg/Kg	1	11/21/2002

Δ	116	
Oua	ш	lers

ND - Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Page 55 of 56

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Date: 22-Nov-02

CLIENT:

Ninyo & Moore

Lab Order:

060026

Project:

Bloomfield Business Center, 203571006

Lab ID:

060026-008C

Client Sample ID: 7F

Collection Date: 11/20/2002 3:10:00 PM

Matrix: SOIL

Analys	es	Re	sult	Limit	Qual	Units	DF	Date Analyzed
GASOL	INE RANGE ORGANIC	S BY GC/FID (EPA 5035)			EP	A 8015B(M)		
RunID:	GC2_021121A	QC Batch:	11478					Analyst: GG
GRO			ND	0.89		mg/Kg	1	11/21/2002
HYDROCARBON CHAIN IDENTIFICATION BY ENCORE (EPA 5035)				E	PA 8015B			
RunID:	GC2_021121A	QC Batch:	11478					Analyst: GG
T/R Hy	/drocarbons: C5-C12		ND	0.89		mg/Kg	1	11/21/2002

Qualiflers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DO - Surrogate Diluted Out

S - Spike/Surrogate outside of limits due to matrix interferen

H - Sample exceeded analytical holding time

E - Value above quantitation range

Results are wet unless otherwise specified

Page 56 of 56

Many							
3/walnut)		· · · · · · · · · · · · · · · · · · ·	CHAIN	OF CUSTO			Pg of
					FOR LABORATOR Method of Trans		Sample Condition Upon Receipt
	ced Technolo	<u></u>			Walk-in Ø	r**	Y N N 4. SEALED Y N
	Laboratories	P.O.#:			Courier 🖸	~	YO NO 5. FOF SPLS MATCHOOC YOUN
3275 Walnut Avent Signal Hill, CA 908		Logged By:	Date:	11/12/17/Time:	UPS FED. EXP.	2. HEADSPACE (VOA)	,
(562) 989-4045 · F.					ATL D	3. CONTAINER INTACT	Y N □ 6. PRESERVED Y N N
Client: Ninyo & M	oore		Addr	ess: 475 Goddard S	uite 200	<u></u>	TEL:(949) 753-7070
Attn: Paul Rober	rts		City	Irvine	State	CA Zip Code 9	2618 FAX:(949) 753-7071
Project Name: Bloom	nfield Bugi	ness Center Proj	ject #: 203571004) Sampler	Ruth Che	(Sk	Meturo Ruth Clary
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I hereby authorize ATL to pointicated below:	erform the work	Send Report To:		Birl To:		Special Instructions/Comments	Mana Manlor
Project Mgr /Submitte	ег: , ,	Altn:		_ Attn:	1.00	Megaresuus by	noon 11/21/02!
Paul Robert	3_ (1/20)	0Z Co:		_ Co:			
Pini Name Y	Dett	Address		Address		ļ	
Shifted	un C		StateZlp	City	_ElateZp	<u> </u>	
Unless otherwise	1 .	hive/Disposal:		Circle or Add Analysis(es)	9 /38 z/3 /	///////	CIRCLE APPROPRIATE MATRIX Z RINE CIRCLE APPROPRIATE
requested, all sample	39 ☐ Other	ory Standard		Requested		//////////////////////////////////////	MATRIX Z RTNE C
will be disposed 45 da after receipt.							\$\\s_\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
•		EE PER HAZARDOUS S	SAMPLE DISPOSAL.				NAVY C
LAB USE ONL Batch #:	Y:	Sample Descrip	tion		<i>##</i>	\	Container(s) CT OTHER
E Lab No.		Sample I.D.	Date Time	\#\#\#\@\\#\	\$7		TAT # Type & REMARK
066024-001	74		1/20/0 19:31	XXXXX			A 7
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 TAT starts 8 s.m. folio samples received afte 		TAT: A= Overnight ≤ 24 hr	8= Next workda	C= Critical 2 Workda	D= Urgent 3 Work	kdays E= Routine 7 Workdays	H=Hcl N=HNO S=H.SO C=4
		A	T 1 11 1100 1			Ol	4-1 17 7-/10\ A N-OLL T N-D /

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal Z=Zn(AC): O=NaOH T=NasS2O3

Advanced Technology Laboratories

Date: 03-Jan-03

CLIENT:

Ninyo & Moore

Project:

Bloomfield Business Center, 203571006

Lab Order:

060026

CASE NARRATIVE

Enclosed is the QA/QC report per your request.

Advanced Technology Laboratories

Date: 03-Jan-03

CLIENT:

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11448

Sample ID MB-11448	SampType: MBLK	TestCode: 8015_S_DSL Units: mg/Kg	Prep Date: 11/20/2002	Run ID: GC7_021120A
Client ID: ZZZZZ	Batch ID: 11448	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 11/20/2002	SeqNo: 350812
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Diesel	5.474	10		J
Surr: p-Terphenyl	82.47	0 80 0	103 44 144 0	0
Sample ID MB-11448	SampType: MBLK	TestCode: 8015_S_DSL Units: mg/Kg	Prep Date: 11/20/2002	Run ID: GC7_021120A
Client 1D: ZZZZZ	Batch 1D: 11448	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 11/21/2002	SeqNo: 350838
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Diesel	6.474	10		J
Surr: p-Terphenyl	98.18	0 80 0	123 44 144 0	0
Sample ID LCS-11448	SampType: LCS	TestCode: 8015_S_DSL Units: mg/Kg	Prep Date: 11/20/2002	Run ID: GC7_021120A
Client ID: ZZZZZ	Batch ID: 11448	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 11/20/2002	SeqNo: 350813
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Diesel	990.5	10 1000 0	99.1 60 140 0	0
Surr: p-Terphenyl	91.79	0 80 0	115 44 144 0	0
Sample ID LCS-11448	SampType: LCS	TestCode: 8015_S_DSL Units: mg/Kg	Prep Date: 11/20/2002	Run ID: GC7_021120A
Client ID: ZZZZZ	Batch ID: 11448	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 11/21/2002	SeqNo: 350839
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Diesel	1134	10 1000 0	113 60 140 0	0
Surr: p-Terphenyl	105.3	0 80 0	132 44 144 0	0
Sample ID 059807-007AMS	SampType: MS	TestCode: 8015_S_DSL Units: mg/Kg	Prep Date: 11/20/2002	Run ID: GC7_021120A
Client ID: ZZZZZ	Batch ID: 11448	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 11/20/2002	SeqNo: 350823
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual

Qualifiers: ND-NotDetectedatthe Reporting Limit

J-Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

H - Sample exceeded holding time

Page I of 42

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11448

Sample ID 05980	7-007AMS	SampType: MS	S	TestCod	e: 8015_S_D	SL Units: mg/Kg	3	Prep Date	e: 11/20/2	002	Run ID: GC	7_021120A	
Client ID: ZZZZZ	!	Batch ID: 114	448	TestN	o: EPA 8015	B(M (LUFT)		Analysis Date	e: 11/20/ 2	2002	SeqNo: 35	0823	
Analyte		Re	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		1	1111	10	1000	154.1	95.7	50	150	0	0		
Surr: p-Terphen	yl	80	0.04	0	80	0	100	44	144	0	0		
Sample ID 05980	7-007AMSD	SampType: MS	SD	TestCod	e: 8015_S_ D	SL Units: mg/Ko	9	Prep Date	e: 11/20/2	2002	Run 1D: GC	7_021120A	
Client ID: ZZZZZ	!	Batch ID: 11	448	TestN	o: EPA 8015	B(M (LUFT)		Analysis Dat	e: 11/20/ 2	2002	SeqNo: 35	0824	
Analyte		Re	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		1	1040	10	1000	154.1	88.6	50	150	1111	6.59	40	
Surr: p-Terphen	yl	8	5.26	0	80	0	107	44	144	0	0	0	
Sample ID MB-11	448	SampType: ME	BLK	TestCoo	e: HC_S_SV	OA Units: mg/Kg	g	Prep Dat	e: 11/20 /2	2002	Run ID: GC	7_021120A	
Client ID: ZZZZZ	<u>:</u>	Batch ID: 11	448	TestN	o: EPA 801 5	B (LUFT)		Analysis Dat	e: 11/20 /2	2002	SeqNo: 35	0958	
Analyte		Re	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons	: C10-C12	1.	.811	10									J
T/R Hydrocarbons:	: C13-C15	0	.436	10									J
T/R Hydrocarbons:	: C16-C22	0	.353	10									J
T/R Hydrocarbons:	: C23-C32	2	.322	10									J
T/R Hydrocarbons	: >C32	1.	.438	10									J
Surr:p-Terphen	yl	8	32.47	10	80	0	103	50	150	0	0		
Sample ID MB-11	1448	SampType: ME	BLK	TestCod	le: HC_S_SV	OA Units: mg/K	g	Prep Dat	e: 11/20/	2002	Run ID: G	C7_021120A	
Client ID: 22777	2	Batch ID: 11	448	TestN	o: EPA 8015	B (LUFT)		Analysis Dat	e: 11/21/	2002	SeqNo: 35	0975	
Analyte		R	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons	: C10-C12	1	.718	10									J
T/R Hydrocarbons	: C13-C15	0).185	10									J
T/R Hydrocarbons	: C16-C22		0.37	10									J
T/R Hydrocarbons	: C23-C32		ND	, 10 ,									
Qualifiers: ND-	-Not Detected a	tthe Reporting Lim	ıit	S - Spike/Sur	rogate outside	limits due to matrix is	nterference	DO-	Surrogate of	lituted out			
J-A	nalyte detected	below quantitation?	limits	B - Analyte d	etected in the a	ssociated Method Bl	lank	H-S	ample excee	ded holding time			
R - F	RPD outside acc	epted recovery limit	its	Calculation	s are based	on raw values						Pag	e 2 of 4

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Project:

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ANALYTICAL QC SUMMARY REPORT

BatchID: 11448

Sample ID MB-11448 Client ID: ZZZZZ	SampType: MBLK Batch ID: 11448		le: HC_S_SV lo: EPA 8015			Prep Da Analysis Da	te: 11/20/2 te: 11/21/2		Run ID: GO SeqNo: 35	07_021120A 0975	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: >C32	2.097	10									J
Surr: p-Terphenyl	98.18	10	80	0	123	50	150	0	0		

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R - RPD outside accepted recovery limits

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Project:

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BatchID: 11449

Sample ID MB-11449	SampType: MBLK	TestCode: 8081_S	Units: µg/Kg		Prep Date:	11/20/2002		Run 1D: GC	10_021120B	3
Client ID: ZZZZZ	Batch ID: 11449	TestNo: EPA 8081A	(EPA 3550B)		Analysis Date:	11/20/2002		SeqNo: 350	996	
Anaiyte	Result	PQL SPK value SF	K Ref Val	%REC	LowLimit Hi	ighLimit RPD	Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	31.75	0 33.3	0	95.3	60	127	0	0		
Surr: Tetrachloro-m-xylene	28.89	0 33.3	0	86.8	59	112	0	0		
Sample ID LCS-11449	SampType: LCS	TestCode: 8081_S	Units: µg/Kg	· · ·	Prep Date:	11/20/2002		Run ID: GC	10_021120B	3
Client ID: ZZZZZ	Batch ID: 11449	TestNo: EPA 8081A	(EPA 3550B)		Analysis Date:	11/20/2002		SeqNo: 350	997	
Analyte	Result	PQL SPK value SF	PK Ref Val	%REC	LowLimit Hi	ighLimit RPD	Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	32.65	0 33.3	0	98	60	127	0	0		
Surr: Tetrachloro-m-xylene	30.35	0 33.3	0	91.2	59	112	0	0		
Sample ID MB-11449MS	SampType: MS	TestCode: 8081_S	Units: µg/Kg		Prep Date:	11/20/2002		Run ID: GC	10_021120E	3
Client ID: ZZZZZ	Batch ID: 11449	TestNo: EPA 8081A	(EPA 3550B)		Analysis Date:	11/21/2002		SeqNo: 35 0	1998	
Analyte	Result	PQL SPK value SF	PK Ref Val	%REC	LowLimit Hi	ighLimit RPD	Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	32.51	0 33.3	0	97.6	60	127	0	0		
Surr:Tetrachloro-m-xylene	29.89	0 33.3	0	89.8	59	112	0	0		
Sample ID MB-11449MSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg		Prep Date:	11/20/2002		Run ID: GC	10_021120E	3
Client ID: ZZZZZ	Batch ID: 11449	TestNo: EPA 8081A	(EPA 3550B)		Analysis Date:	11/21/2002		SeqNo: 350	999	
Analyte	Result	PQL SPK value SF	PK Ref Val	%REC	LowLimit H	lighLimit RPD	Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	32.93	0 33.3	0	98.9	60	127	0	0		
Surr:Tetrachloro-m-xylene	30.52	0 33.3	0	91.6	59	112	0	0		
Sample ID MB-11449	SampType: MBLK	TestCode: 8082_S	Units: µg/Kg		Prep Date:	11/20/2002	_	Run ID: GO	10_021120E	3
Client ID: ZZZZZ	Batch ID: 11449	TestNo: EPA 8082	(EPA 3550B)		Analysis Date:	11/20/2002		SeqNo: 350	0867	
Analyte	Result	PQL SPK value SI	PK Ref Val	%REC	LowLimit H	lighLimit RPD	Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	33								
Qualifiers: ND-NotDetected	latthe Reporting Limit	S - Spike/Surrogate outside limi	ts due to matrix inte	erference	DO - Si	urrogate diluted	out			
J - Analyte detecte	d below quantitation limits	B - Analyte detected in the associ	ciated Method Blan	nk	H-Sam	ple exceeded ho	lding time			

Calculations are based on raw values

Ninyo & Moore

Work Order:

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Project:

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ANALYTICAL QC SUMMARY REPORT

BatchID: 11449

Sample ID MB-11449	SampType: MBLK	TestCod	de: 8082_S	Units: µg/Kg		Prep Date	e: 11/20/2	2002	Run ID: GC	10_021120B	3
Client 1D; ZZZZZ	Batch ID: 11449	Test	lo: EPA 8082	(EPA 3550B)		Analysis Date	e: 11/20/2	2002	SeqNo: 35	0867	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1221	ND	67									
Aroclor 1232	ND	33									
Arodor1242	ND	33									
Aroclor 1248	ND	33									
Aroclor 1254	ND	33									
Aroclor 1260	ND	33									
Aroclor 1262	ND	33									
Aroclor 1268	ND	33									
Surr: Decachlorobiphenyl	27.56	0	33.3	0	82.8	56	147	0	0		
Surr: Tetrachloro-m-xylene	26.99	0	33.3	0	81	66	123	0	0		
Sample ID MB-11449	SampType: MBLK	TestCo	de: 8082_S	Units: µg/Kg		Prep Date	e: 11/20/ 2	2002	Run ID: G0	C5_021120A	
Client ID: ZZZZZ	Batch ID: 11449	Test	lo: EPA 8082	(EPA 3550B)		Analysis Date	e: 11/20/2	2002	SeqNo: 35	0884	
Client ID: ZZZZZZ Analyte	Batch ID: 11449 Result	Testh PQL		(EPA 3550B) SPK Ref Val	%REC	-		2002 RPD Ref Val	SeqNo: 35 %RPD		Qual
				,		-					Qual
Analyte	Result	PQL		,		-					Qual
Analyte Aroclor1016	Result	PQL 33		,		-					Qual
Analyte Aroclor 1016 Aroclor 1221	Result ND ND	PQL 33 67		,		-					Qual
Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232	Result ND ND ND	PQL 33 67 33		,		-					Qual
Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242	Result ND ND ND ND ND	9QL 33 67 33 33		,		-					Qual
Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248	Result ND ND ND ND ND ND ND ND	33 67 33 33 33		,		-					Qual
Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254	Result ND ND ND ND ND ND ND ND ND	9QL 33 67 33 33 33 33		,		-					Qual
Analyte Aroclor1016 Aroclor1221 Aroclor1232 Aroclor1242 Aroclor1248 Aroclor1254 Aroclor1260	Result ND	PQL 33 67 33 33 33 33 33		,		-					Qual
Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1262	Result ND ND ND ND ND ND ND ND ND N	9QL 33 67 33 33 33 33 33 33		,		-					Qual

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

H - Sample exceeded holding time

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R - RPD outside accepted recovery limits

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BatchID: 11449

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Sample ID MB-11449	SampType: MBLK	TestCoo	le: 8082_S	Units: µg/Kg		Prep Date	e: 11/20/20	002	Run ID: GC	10_021120B	3
Client ID: ZZZZZ	Batch iD: 11449	TestN	lo: EPA 8082	(EPA 3550B)		Analysis Date	e: 11/21/20	102	SeqNo: 351	326	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	33									
Aroclor1221	ND	67									
Aroclor 1232	ND	33									
Aroclor 1242	ND	33									
Aroclor 1248	ND	33									
Aroclor1254	ND	33									
Aroclor 1260	ND	33									
Aroclor 1262	ND	33									
Aroclor1268	ND	33									
Surr: Decachlorobiphenyl	29.34	0	33.3	0	88.1	56	147	0	0		
Surr:Tetrachloro-m-xylene	27.74	0	33.3	0	83.3	66	123	0	0		
Sample ID LCSA-11449	SampType: LCS	TestCod	le: 8082_S	Units: µg/Kg		Prep Date	e: 11/20/20	002	Run ID; GC	10_021120E	3
Client ID: ZZZZZ	Batch ID: 11449	TestN	lo: EPA 8082	(EPA 3550B)		Analysis Date	e: 11/21/2 0	002	SeqNo: 350	868	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	299.2	33	333.3	0	89.8	66	110	0	0		
Aroclor 1260	299.8	33	333.3	0	90	66	114	0	0		
Surr: Decachlorobiphenyl	29.33	0	33.3	0	88.1	56	147	0	0		
Surr: Tetrachloro-m-xylene	28.5	0	33.3	0	85.6	66	123	0	0		
Sample ID LCSA-11449	SampType: LCS	TestCod	le: 8082_S	Units: µg/Kg		Prep Date	e: 11/20/2 0	002	Run ID: GC	5_021120A	
Client ID: ZZZZZ	Batch ID: 11449	TestN	lo: EPA 8082	(EPA 3550B)		Analysis Date	e: 11/20/2 0	002	SeqNo: 350	0885	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arodor1016	330.4	33	333.3	0	99.1	66	110	0	0		
AIOGOI IO IO	000.1								_		
Aroclor 1260	292.5	33	333.3	0	87.7	66	114	0	0		
		33 .0	333.3 33.3	0 0	87.7 85.7	66 56	114 147	0 0	0		
Aroclor1260	292.5			-				_	_		
Aroclor 1260 Surr: Decachlorobiphenyl Surr: Tetrachloro-m-xylene	292.5 28.53	.0	33.3 33.3	0	85.7 88.5	56 66	147	0	0		

Calculations are based on raw values

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ANALYTICAL QC SUMMARY REPORT

BatchID: 11449

Sample ID LCSA-11449	SampType: LCS	TestCod	le: 8082 S	Units: µg/Kg		Prep Date	11/20/2	002	Run ID: GC	10_021120B	
			_			•				_	•
Client ID: ZZZZZ	Batch ID: 11449	TestN	lo: EPA 8082	(EPA 3550B)		Analysis Date	: 11/21/2	002	SeqNo: 351	1327	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	315	33	333.3	0	94.5	66	110	0	0		
Aroclor 1260	314.7	33	333.3	0	94.4	66	114	0	0		
Surr: Decachlorobiphenyl	30.1	0	33.3	0	90.4	56	147	0	0		
Surr:Tetrachloro-m-xylene	28.29	0	33.3	0	85	66	123	0	0		
Sample ID 060020-008AMSA	SampType: MS	TestCod	le: 8082_S	Units: µg/Kg		Prep Date	: 11/20/2	002	Run ID: GO	10_021120B	3
Client ID: ZZZZZ	Batch ID: 11449	TestN	lo: EPA 8082	(EPA 3550B)		Analysis Date	: 11/21/2	002	SeqNo: 350	0881	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit I	-lighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	276.2	33	333.3	0	82.9	63	122	0	0		
Aroclor 1260	288.4	33	333.3	42.55	73.8	62	120	0	0		
Surr: Decachlorobiphenyl	25.64	0	33.3	0	77	56	147	0	0		
Surr: Tetrachloro-m-xylene	24.84	0	33.3	0	74.6	66	123	0	0		
Sample ID 060020-008AMSDA	SampType: MSD	TestCoo	le: 8082_S	Units: µg/Kg		Prep Date	11/20/2	002	Run ID: GC	10_021120E	3
Client ID: ZZZZZ	Batch ID: 11449	TestN	lo: EPA 8082	(EPA 3550B)		Analysis Date	: 11/21/2	002	SeqNo: 35	0882	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	291.5	33	333.3	0	87.5	63	122	276.2	5.41	50	
Aroclor 1260	298	33	333.3	42.55	76.7	62	120	288.4	3.28	50	
Surr: Decachlorobiphenyl	26.42	0	33.3	0	79.3	60	147	0	0	0	

Qualifiers: ND-NotDetected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

H - Sample exceeded holding time

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Project:

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ANALYTICAL QC SUMMARY REPORT

BatchID: 11459

Sample ID MB-11459	SampType: MBLK	TestCode	: 8270_S_F	JL Units: µg/Kg		Prep Da	te: 11/20/ 2	2002	Run ID: MS	7_021120A	
Client ID: ZZZZZ	Batch ID: 11459	TestNo	: EPA 8270	(EPA 3550B)		Analysis Da	te: 11/20/	2002	SeqNo: 35	763	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3'-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphlhene	ND	330									
Acenaphthylene	. ND	330									
Anthracene	ND	330									

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

H - Sample exceeded holding time

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Project:

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ANALYTICAL QC SUMMARY REPORT

BatchID: 11459

Sample ID MB-11459	SampType: MBLK	TestCode	e: 8270_S_F	UL Units: µg/Kg		Prep Da	ite: 11/20/2	2002	Run ID: MS	7_021120A	
Client ID: ZZZZZ	Batch ID: 11459	TestNo	o: EPA 8270	C (EPA 3550B)		Analysis Da	ite: 11/20/2	2002	SeqNo: 35	0763	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	. ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butytphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									

Qualifiers: ND-NotDetectedattheReportingLimit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

DO - Surrogate diluted out

H - Sample exceeded holding time

Calculations are based on raw values

S - Spike/Surrogate outside limits due to matrix interference

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ANALYTICAL QC SUMMARY REPORT

BatchID: 11459

Sample ID MB-11459	SampType: MBLK	TestCod	le: 8270_S_F U	L Units: µg/Kg		Prep Date:	11/20/20	002	Run ID: MS	7_021120A	
Client ID: ZZZZZ	Batch ID: 11459	TestN	o: EPA 8270C	(EPA 3550B)		Analysis Date:	11/20/20	002	SeqNo: 35 0	763	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit H	lighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	330						- "			
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr:1,2-Dichlorobenzene-d4	2571	0	3330	0	77.2	25	103	0	0		
Surr: 2,4,6-Tribromophenol	2956	0	3330	0	88.8	39	119	0	0		
Surr: 2-Chlorophenot-d4	2628	0	3330	0	78.9	17	115	0	0		
Surr: 2-Fluorobiphenyl	2587	0	3330	0	7 7 .7	34	103	0	0		
Surr: 2-Fluorophenol	2676	0	3330	0	80.4	32	106	0	0		
Surr:4-Terphenyl-d14	2668	0	3330	0	80.1	33	107	0	0		
Surr: Nitrobenzene-d5	2581	0	3330	0	77.5	17	109	0	0		
Surr: Phenol-d5	2738	0	3330	0	82.2	34	110	0	0		
Sample ID MB-11459	SampType: MBLK	TestCoo	le: 8270_S_ FU	L Units: µg/Kg		Prep Date:	11/20/20	002	Run ID: MS	6_021120A	
Client ID: ZZZZZ	Batch ID: 11459	TestN	lo: EPA 8270C	(EPA 3550B)		Analysis Date:	11/20/20	002	SeqNo: 350	7777	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit F	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ΝD	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
	110										
2.4-Dinitrotoluene	ND	330									

J-Analyte detected below quantitation limits

R-RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

H - Sample exceeded holding time

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Work Order:

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Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11459

Sample 1D MB-11459	SampType: MBLK	TestCode: 8270_S_F	UL Units: µg/Kg	Prep Date: 11/20/2002	Run ID: MS6_021120A
Client ID: ZZZZZ	Batch ID: 11459	TestNo: EPA 8270	C (EPA 3550B)	Analysis Date: 11/20/2002	SeqNo: 350777
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
			OTT TO VA	701CO EONEMINE FINGILITIE FO FOR VEI	AND THE DESTRICT GOLD
2-Chloronaphthalene	ND	330			
2-Chlorophenol	ND	330			
2-Methylnaphthalene	ND	330			
2-Methylphenol	ND	330			
2-Nitroaniline	ND	1600			
2-Nitrophenol	ND	330			
3,3'-Dichlorobenzidine	ND	660			
3-Nitroaniline	, ND	1600			
4,6-Dinitro-2-methylphenol	ND	1600			
4-Bromophenyl-phenylether	ND	330			
4-Chloro-3-methylphenol	ND	660			
4-Chioroaniline	ND	660			
4-Chlorophenyl-phenylether	ND	330			
4-Methylphenol	ND	330			
4-Nitroaniline	ND	1600			
4-Nitrophenol	ND	1600			
Acenaphthene	ND	330			
Acenaphthylene	ND	330			
Anthracene	ND	330			
Benzidine (M)	ND	1600			
Benzo(a)anthracene	ND	330			
Benzo(a)pyrene	ND	330			
Benzo(b)fluoranthene	ND	330			
Benzo(g,h,i)perylene	ND	330			
Benzo(k)fluoranthene	ND	330			
Benzoic acid	ND	1600			
Benzyl alcohol	ND	660			
Bis(2-chloroethoxy)methane	ND	330			
Bis(2-chloroethyl)ether	ND	330			
Bis(2-chloroisopropyl)ether	ND	. 330			

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11459

Sample ID MB-11459	SampType: MBLK	TestCode	: 8270_S_FL	JL Units: µg/Kg		Prep Dat	te: 1 1/ 20 /	2002	Run ID: MS	6_021120A	
Client ID: ZZZZZ	Batch ID: 11459	TestNo	: EPA 82700	(EPA 3550B)		Analysis Dat	te: 11/20 /2	2002	SeqNo: 350	777	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	, ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachiorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	3 30									
Surr:1,2-Dichlorobenzene-d4	2522	0	3330	0	75.7	25	103	0	0		
Surr: 2,4,6-Tribromophenol	2946	0	3330	0	88.5	39	119	0	0		
Surr: 2-Chlorophenol-d4	2706	0	3330	0	81.3	17	115	0	0		
Surr: 2-Fluorobiphenyl	2609	0	3330	0	78.3	34	103	0	0		
Surr: 2-Fluorophenol	2747	0	3330	0	82.5		106	0	0		

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B-Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

H - Sample exceeded holding time

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Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11459

Sample ID MB-11459	SampType: MBLK	TestCod	de: 8270_S_F U	L Units: µg/Kg		Prep Dat	e: 11/20/2	002	Run 1D: MS	6_021120A	
Client ID: ZZZZZ	Batch ID: 11459	Test	lo: EPA 8270 C	(EPA 3550B)		Analysis Dat	e: 11/20/2	002	SeqNo: 350	777	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr:4-Terphenyl-d14	2739	0	3330	0	82.3	33	107	0	0		
Surr: Nitrobenzene-d5	2521	0	3330	0	75.7	17	109	0	0		
Surr: Phenol-d5	2829	0	3330	0	85	34	110	0	0		
Sample ID LCS-11459	SampType: LCS	TestCo	de: 8270_S_FU	L Units: µg/Kg		Prep Dat	e: 11/20/2	002	Run ID: MS	7_021120A	
Client ID: ZZZZZ	Batch ID: 11459	Test	lo: EPA 8270C	(EPA 3550B)		Analysis Dat	e: 11/ 20/2	002	SeqNo: 350	0764	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2598	330	3330	0	78	51	102	0	0		
1,4-Dichlorobenzene	2542	330	3330	0	76.3	48	96	0	0		
2,4-Dinitrotoluene	2880	330	3330	0	86.5	58	123	0	0		
2-Chlorophenol	2785	330	3330	0	83.6	47	105	0	0		
2-Nitrophenoi	2983	330	3330	0	89.6	30	130	0	0		
4-Chloro-3-methylphenol	3162	660	3330	0	95	58	116	0	0		
4-Nitrophenol	3270	1600	3330	0	98.2	47	138	0	0		
Acenaphthene	2682	330	3330	0	80.6	56	102	0	0		
N-Nitrosodi-n-propylamine	277 7	330	3330	0	83.4	54	104	0	0		
Phenol	2909	330	3330	0	87.3	46	110	0	0		
Pyrene	2702	330	3330	0	81.2	61	115	0	0		
Surr:1,2-Dichlorobenzene-d4	2373	0	3330	0	71.3	25	103	0	0		
Surr: 2,4,6-Tribromophenol	2844	0	3330	0	85.4	39	119	0	0		
Surr: 2-Chlorophenol-d4	2648	0	3330	0	79.5	17	115	0	0		
Surr: 2-Fluorobiphenyl	2641	0	3330	0	79.3	34	103	0	0		
Surr: 2-Fluorophenol	2713	0	3330	0	81.5	32	106	0	0		
Surr:4-Terphenyl-d14	2878	0	3330	0	86.4	33	107	0	0		
Surr: Nitrobenzene-d5	2624	0	3330	0	78.8	17	109	0	0		
Surr: Phenol-d5	2602	0	3330	0	78.1	34	110	0	0		

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11459

Sample ID LCS-11459	SampType: LCS	TestCode: 8270_S_FUL Units: µg/Kg Prep Date: 11/20/2002						J02	Run ID: MS	S6_021120A	
Client ID: ZZZZZ	Batch ID: 11459	Test	No: EPA 82700	(EPA 3550B)		Analysis Date	e: 11/20/20)02	SeqNo: 35	0778	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2731	330	3330	0	82	51	102	0	0		
1,4-Dichlorobenzene	2587	330	3330	0	77.7	48	96	0	0		
2,4-Dinitrotoluene	2972	330	3330	0	89.2	58	123	0	0		
2-Chlorophenol	2867	330	3330	0	86.1	47	105	0	0		
2-Nitrophenol	2997	330	3330	0	90	30	130	0	0		
4-Chloro-3-methylphenol	3159	660	3330	0	94.9	58	116	0	0		
4-Nitrophenol	3389	1600	3330	0	102	47	138	0	0		
Acenaphthene	2881	330	3330	0	86.5	56	102	0	0		
N-Nitrosodi-n-propylamine	2841	330	3330	0	85.3	54	104	0	0		
Phenol	3002	330	3330	0	90.2	46	110	0	0		
Pyrene	2902	330	3330	0	87.2	61	115	0	0		
Surr:1,2-Dichlorobenzene-d4	2456	0	3330	0	73.8	25	103	0	0		
Surr: 2,4,6-Tribromophenol	2933	0	3330	0	88.1	39	119	0	0		
Surr: 2-Chlorophenol-d4	2672	0	3330	0	80.3	17	115	0	0		
Surr: 2-Fluorobiphenyl	2619	0	3330	0	78.7	34	103	0	0		
Surr: 2-Fluorophenol	2684	0	3330	0	80.6	32	106	0	0		
Surr:4-Terphenyl-d14	2833	0	3330	0	85.1	33	107	0	0		
Surr: Nitrobenzene-d5	2598	0	3330	0	78	17	109	0	0		
Surr: Phenol-d5	2781	0	3330	0	83.5	34	110	0	0		
Consola ID 14D 44450	CT		d-: 2072 0 7	u Delte es		D-1- D-4			D 1D		

Sample ID MB-11459				UL Units: µg/Kg		Prep Da	te: 11/20/2	2002	Run ID: MS	7_021120A	
Client ID: ZZZZZ	Batch ID: 11459	TestN	TestNo: EPA 8270C (EPA 3550B)			Analysis Da	te: 11/20/2	2002	SeqNo: 350	1771	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%R P D	RPDLimit	Qual
1,2,4-Trichlorobenzene	1474	330	1665	0	88.5	51	108	0	0		
1,4-Dichlorobenzene	1414	330	1665	0	84.9	48	97	0	0		
2,4-Dinitrotoluene	1404	330	1665	Ð	84.3	57	120	0	0		
2-Chlorophenol	2829	330	3330	0	85	49	107	0	0		
4-Chloro-3-methylphenol	3169	660	3330	0	95.2	56	117	0	0		
4-Nitrophenol	2877	1600	3330	0	86.4	43	124	0	0		

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B-Analyte detected in the associated Method Blank

DO - Surrogate diluted out

Calculations are based on raw values

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11459

Sample ID MB-11459	SampType: MS	TestCoc	le: 8270_S_FUL	. Units: µg/Kg		Prep Date:	11/20/2	002	Run ID: MS	7_021120A	
Client ID: ZZZZZ	Batch ID: 11459	TestN	lo: EPA 8270C	(EPA 3550B)		Analysis Date:	11/20/2	002	SeqNo: 350	771	
Analyte	Result	PQL	SPK value S	PK Ref Val	%REC	LowLimit H	lighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1464	330	1665	0	87.9	54	104	0	0		
N-Nitrosodi-n-propylamine	1497	330	1665	0	89.9	52	107	0	0		
Pentachlorophenol	3312	1600	3330	0	99.5	54	123	0	0		
Phenol	2702	330	3330	0	81.1	44	107	0	0		
Pyrene	1540	330	1665	0	92.5	63	121	0	0		
Surr:1,2-Dichlorobenzene-d4	2619	0	3330	0	78.6	25	103	0	0		
Surr: 2,4,6-Tribromophenol	2967	0	3330	0	89.1	39	119	0	0		
Surr: 2-Chlorophenol-d4	2655	0	3330	0	79.7	17	115	0	0		
Surr: 2-Fluorobiphenyl	2644	0	3330	0	79.4	34	103	0	0	·	
Surr: 2-Fluorophenol	2708	0	3330	0	81.3	32	106	0	0		
Surr:4-Terphenyl-d14	2701	0	3330	0	81.1	33	107	0	0		
Surr: Nitrobenzene-d5	2664	0	3330	0	80	17	109	0	0		
Surr: Phenol-d5	2730	0	3330	0	82	34	110	0	0		
Sample ID MB-11459	SampType: MS	TestCor	de: 8270_S_FUL	. Units: µg/Kg		Prep Date:	11/20/2	2002	Run ID: MS	6_021120A	
Client ID: ZZZZZ	Batch ID: 11459	TestN	lo: EPA 8270C	(EPA 3550B)		Analysis Date:	11/20/2	2002	SeqNo: 35 (0779	
Analyte	Result	PQL	SPK value S	DK Def Val		LowLimit H	liahLimit	RPD Ref Val	%RPD	RPDLimit	Qua
			ork value o	IT I TO VOI	%REC	LOWERING					
1,2,4-Trichtorobenzene	1478	330	1665	0	%REC 88.8	51	108	0	0		
, ,	1478 1430			··········				0	0		
1,4-Dichlorobenzene		330	1665	0	88.8	51	108				
1,4-Dichlorobenzene 2,4-Dinitrotoluene	1430	330 330	1665 1665	0	88.8 85.9	51 48	108 97	0	0		
1,4-Dichlorobenzene 2,4-Dinitrotoluene 2-Chlorophenol	1430 1622	330 330 330	1665 1665 1665	0 0 0	88.8 85.9 97.4	51 48 57	108 97 120	0	0		
1,4-Dichlorobenzene 2,4-Dinitrotoluene 2-Chlorophenol 4-Chloro-3-methylphenol	1430 1622 2968	330 330 330 330	1665 1665 1665 3330	0 0 0	88.8 85.9 97.4 89.1	51 48 57 49	108 97 120 107	0 0 0	0 0 0		
1,4-Dichlorobenzene 2,4-Dinitrotoluene 2-Chlorophenol 4-Chloro-3-methylphenol 4-Nitrophenol	1430 1622 2968 3173	330 330 330 330 660	1665 1665 1665 3330 3330	0 0 0 0	88.8 85.9 97.4 89.1 95.3	51 48 57 49 56	108 97 120 107 117	0 0 0	0 0 0		
1,4-Dichlorobenzene 2,4-Dinitrotoluene 2-Chlorophenol 4-Chloro-3-methylphenol 4-Nitrophenol Acenaphthene	1430 1622 2968 3173 3139	330 330 330 330 330 660 1600	1665 1665 1665 3330 3330 3330	0 0 0 0 0	88.8 85.9 97.4 89.1 95.3 94.3	51 48 57 49 56 43	108 97 120 107 117 124	0 0 0 0	0 0 0 0		
1,4-Dichlorobenzene 2,4-Dinitrotoluene 2-Chlorophenol 4-Chloro-3-methylphenol 4-Nitrophenol Acenaphthene N-Nitrosodi-n-propylamine	1430 1622 2968 3173 3139 1580 1633	330 330 330 330 660 1600 330	1665 1665 1665 3330 3330 3330 1665 1665	0 0 0 0 0 0	88.8 85.9 97.4 89.1 95.3 94.3	51 48 57 49 56 43	108 97 120 107 117 124 104	0 0 0 0 0	0 0 0 0 0		
1,4-Dichlorobenzene 2,4-Dinitrotoluene 2-Chlorophenol 4-Chloro-3-methylphenol 4-Nitrophenol Acenaphthene N-Nitrosodi-n-propylamine Pentachlorophenol	1430 1622 2968 3173 3139 1580	330 330 330 330 660 1600 330 330 1600	1665 1665 1665 3330 3330 3330 1665 1665 3330	0 0 0 0 0 0	88.8 85.9 97.4 89.1 95.3 94.3 94.9 98.1	51 48 57 49 56 43 54 52	108 97 120 107 117 124 104 107	0 0 0 0 0 0	0 0 0 0 0		
1,4-Dichlorobenzene 2,4-Dinitrotoluene 2-Chlorophenol 4-Chloro-3-methylphenol 4-Nitrophenol Acenaphthene	1430 1622 2968 3173 3139 1580 1633 3384	330 330 330 330 660 1600 330 330	1665 1665 1665 3330 3330 3330 1665 1665	0 0 0 0 0 0 0	88.8 85.9 97.4 89.1 95.3 94.3 94.9 98.1	51 48 57 49 56 43 54 52	108 97 120 107 117 124 104 107 123	0 0 0 0 0 0 0 0	0 0 0 0 0		

Qualifiers: ND-NotDetected at the Reporting Limit

S - Spike/Surrogate outside limits due to matrix interference

DO - Surrogate diluted out

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Sample exceeded holding time

R - RPD outside accepted recovery limits

Calculations are based on raw values

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Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11459

Sample ID MB-11459	SampType: MS	TestCo	de: 8270_S_FU	L Units: µg/Kg		Prep Date	e: 11/20 /2	002	Run ID: MS	6_021120A	
Client ID: ZZZZZ	Batch ID: 11459	Test	No: EPA 8270C	(EPA 3550B)		Analysis Date	e: 11/20 /2	2002	SeqNo: 350	779	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Surr: 2,4,6-Tribromophenol	2963	0	3330	0	89	39	119	0	0		
Surr: 2-Chlorophenol-d4	2734	0	3330	0	82.1	17	115	0	0		
Surr: 2-Fluorobiphenyl	2648	0	3330	0	79.5	34	103	0	0		
Surr: 2-Fluorophenol	2755	0	3330	0	82.7	32	106	0	0		
Surr:4-Terphenyl-d14	2784	0	3330	0	83.6	33	107	0	0		
Surr: Nitrobenzene-d5	2618	0	3330	0	78.6	17	109	0	0		
Surr: Phenol-d5	2838	0	3330	0	85.2	34	110	0	0		
Sample ID MB-11459	SampType: MSD	TestCo	de: 8270_S_FU	IL Units: µg/Kg		Prep Date	e: 11/20/2	2002	Run ID: MS	7_021120A	
Client ID: ZZZZZ	Batch ID: 11459	Test	No: EPA 8270 C	(EPA 3550B)		Analysis Dat	e: 11/20/2	2002	SeqNo: 350	0772	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qu
1,2,4-Trichlorobenzene	1559	330	1665	0	93.7	51	108	1474	5.60	23	
1,4-Dichlorobenzene	1515	330	1665	0	91	48	97	1414	6.87	27	
2,4-Dinitrotoluene	1502	330	1665	0	90.2	57	120	1404	6.77	47	
2-Chlorophenol	2994	330	3330	0	89.9	49	107	2829	5.67	50	
4-Chloro-3-methylphenol	3345	660	3330	0	100	56	117	3169	5.41	33	
4-Nitrophenol	2977	1600	3330	0	89.4	43	124	2877	3.40	50	
Acenaphthene	1531	330	1665	0	91.9	54	104	1464	4.45	19	
N-Nitrosodi-n-propylamine	1581	330	1665	0	95	52	107	1497	5.48	38	
Pentachlorophenol	3466	1600	3330	0	104	54	123	3312	4.53	47	
Phenol	2867	330	3330	0	86. 1	44	107	2702	5.91	35	
Pyrene	1616	330	1665	0	97.1	63	121	1540	4.84	36	
Surr:1,2-Dichlorobenzene-d4	2733	0	3330	0	82.1	25	103	0	0	0	
Surr: 2,4,6-Tribromophenol	3133	0	3330	0	94,1	39	119	0	0	0	
Surr: 2-Chlorophenol-d4	2797	0	3330	0	84	17	115	0	0	0	
Surr: 2-Fluorobiphenyl	2750	0	3330	0	82.6	34	103	0	0	0	
Surr: 2-Fluorophenol	2866	0	3330	0	86.1	32	106	0	0	0	
Surr:4-Terphenyl-d14	2803	0	3330	0	84.2	33	107	0	0	0	
Surr: Nitrobenzene-d5	2783	. 0	3330	0	83.6	17	109	0	0	0	

Qualifiers: ND-NotDetectedattheReportingLimit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

H - Sample exceeded holding time

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11459

Sample ID MB-11459	SampType: MSD	TestCoo	de: 8270_S_FU	L Units: µg/Kg		Prep Date	e: 11/20/2	002	Run ID: MS	7 021120A	
•						•			SeqNo: 35		
Client ID: ZZZZZ	Batch ID: 11459	lestr	lo: EPA 8270C	(EPA 3550B)		Analysis Dat	e: 11/20/2	.002	Sequo. 33	0112	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Phenol-d5	2870	0	3330	0	86.2	34	110	0	0	0	
Sample ID MB-11459	SampType: MSD	TestCoo	de: 8270_S_FU	L Units: µg/Kg		Prep Dat	e: 11/20/2	002	Run ID: MS	6_021120A	
Client ID: ZZZZZ	Batch ID: 11459	TestN	io: EPA 8270C	(EPA 3550B)		Analysis Dat	e: 11/20/2	002	SeqNo: 35	0780	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1570	330	1665	0	94.3	51	108	1478	6.06	23	
1,4-Dichlorobenzene	1517	330	1665	0	91.1	48	97	1430	5.90	27	
2,4-Dinitrotoluene	1703	330	1665	0	102	57	120	1622	4.89	47	
2-Chlorophenol	3126	330	3330	0	93.9	49	107	2968	5.16	50	
4-Chloro-3-methylphenol	3316	660	3330	0	99.6	56	117	3173	4.40	33	
4-Nitrophenol	3317	1600	3330	0	99.6	43	124	3139	5.51	50	
Acenaphthene	1672	330	1665	0	100	54	104	1580	5.68	19	
N-Nitrosodi-n-propylamine	1708	330	1665	0	103	52	107	1633	4.49	38	
Pentachlorophenol	3529	1600	3330	0	106	54	123	3384	4.19	47	
Phenoi	3228	330	3330	Ó	96.9	44	107	3072	4.96	35	
Pyrene	1719	330	1665	0	103	63	121	1645	4.40	36	
Surr:1,2-Dichlorobenzene-d4	2688	0	3330	0	80.7	25	103	0	0	0	
Surr: 2,4,6-Tribromophenol	3114	0	3330	0	93.5	39	119	0	0	0	
Surr: 2-Chlorophenol-d4	2830	0	3330	0	85	17	115	0	0	0	
Surr: 2-Fluorobiphenyl	2806	0	3330	0	84.3	34	103	0	0	0	
Surr: 2-Fluorophenol	2896	0	3330	0	87	32	106	0	0	0	
Surr:4-Terphenyl-d14	2932	0	3330	0	88	33	107	0	0	. 0	
Surr: Nitrobenzene-d5	2723	0	3330	0	81.8	17	109	0	0	. 0	
Surr: Phenol-d5	2965	0	3330	0	89	34	110	0	0	0	

Qualifiers: ND-NotDetectedattheReportingLimit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11463

C	O T MDL I/	T-10-1- 0040 0	11.2		D D	44100101		D. ID. 101	00.0044044	
Sample ID MB-11463	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg		Prep Date:			RUN ID: ICE	P2_021121A	
Client ID: ZZZZZ	Batch ID: 11463	TestNo: EPA 6010B	(EPA 3050A)		Analysis Date:	11/21/20	002	SeqNo: 350	0787	
Analyte	Result	PQL SPK value Si	PK Ref Val	%REC	LowLimit H	ighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.045	0.25								J
Arsenic	ND	0.25								
Barium	ND	0.15								
Beryllium	0.0235	0.15								J
Cadmium	0.0355	0.15								J
Chromium	0.01	0.15								J
Cobalt	0.029	0.15								J
Copper	ND	0.15								
Lead	ND	0.25								
Molybdenum	0.0285	0.25								J
Nickel	0.024	0.15								J
Selenium	0.0815	0.25								J
Silver	0.047	0.15								J
Thallium	0.116	0.25								J
Vanadium	0.017	0.15								J
Zinc	0.1615	0.50								J
Sample ID LCS-11463	SampType: LCS	TestCode: 6010_S	Units: mg/Kg		Prep Date:	11/20/2	002	Run ID: ICI	P2_ 021121A	
Client ID: ZZZZZ	Batch ID: 11463	TestNo: EPA 6010B	(EPA 3050A)		Analysis Date:	11/21/20	002	SeqNo: 35	0788	
Analyte	Result	PQL SPK value SI	PK Ref Val	%REC	LowLimit H	ighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	43	0.25 50	0	86	80	120	0	0		
Arsenic	45	0.25 50	0	90	80	120	0	0		
Barium	47.5	0.15 50	0	95	80	120	0	0		
Beryllium	45.5	0.15 50	0	91	80	120	0	0		
Cadmium	43.5	0.15 50	0	87	80	120	0	0		

ND-NotDetected at the Reporting Limit Qualifiers:

Chromium

Cobalt

Copper

Lead

47.5

44

48

43

0.15

0.15

0.15

0.25

J - Analyte detected below quantitation limits

R-RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

50

50

50

50

Calculations are based on raw values

DO - Surrogate diluted out

120

120

120

120

80

80

80

80

H - Sample exceeded holding time

0

0

0

0

0

0

0

0

95

88

96

86

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11463

Sample ID LCS-11463	SampType: LCS	TestCoo	de: 6010_S	Units: mg/Kg		Prep Date	e: 11/20/2	002	Run ID: ICE	P2_021121A	
Client ID: ZZZZZ	Batch ID: 11463	TestN	lo: EPA 6010B	(EPA 3050A)	i	Analysis Date	e: 11/2 1/2	002	SeqNo: 35	0788	
Analyte	Result	PQL	SPK value S	PK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	45	0.25	50	0	90	80	120	0	0		
Nickel	43.5	0.15	5 0	0	87	80	120	0	0		
Selenium	4 5	0.25	50	0	90	80	120	0	0		
Silver	45	0.15	50	0	90	80	120	0	0		
Thallium	44.5	0.25	50	0	89	80	120	0	0		
Vanadium	46.5	0.15	50	0	93	80	120	0	0		
Zinc	43.5	0.50	50	0	87	80	120	0	0		
Sample ID 060026-008AMS	SampType: MS	TestCod	de: 6010_S	Units: mg/Kg		Prep Date	e: 11/20/2	2002	Run ID: ICI	P2_021121A	
Client ID: 7F	Batch ID: 11463	Test	lo: EPA 6010B	(EPA 3050A)		Analysis Dat	e: 11/21/ 2	2002	SeqNo: 35	0797	
Analyte	Result	PQL	SPK value S	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	58.5	0.25	125	0.5	46.4	32	115	0	0		
Arsenic	98.52	0.25	125	8.075	72.4	59	111	0	0		
Barium	266.5	0.15	125	150	93.2	34	151	0	0		
Beryllium	93	0.15	125	0	74.4	56	112	0	0		
Cadmium	83.34	0.15	125	0	66.7	52	120	0	0		
Chromium	122.5	0.15	125	23.5	79.2	56	118	0	0		
Cobalt	97	0.15	125	10.5	69.2	58	117	0	0		
Copper	141.5	0.15	125	30	89.2	58	134	0	0		
Lead	89	0.25	125	4.5	67.6	47	128	0	0		
Molybdenum	90.5	0.25	125	0.5	72	56	115	0	0		
Nickel	105.5	0.15	125	19	69.2	52	120	0	0		
Selenium	87.5	0.25	125	0	70	46	108	0	0		
Silver	96	0.15	125	0	76.8	74	117	0	0		
		0.25	125	1	68.8	62	117	0	0		
Thallium	87	0.25	123	•							
Thallium Vanadium	87 138	0.25	125	35.5	82	55	122	0	0		

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

II - Sample exceeded holding time

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Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11463

Sample ID 060026-008AMSD	SampType: MSD	de: 6010_S	Units: mg/Kg		Prep Dat	e: 11/20/2	2002	Run ID: ICI	P2_021121A		
Client 1D: 7F	Batch ID: 11463	TestN	lo: EPA 6010	B (EPA 3050A)		Analysis Dat	e: 11/21/2	2002	SeqNo: 35	0798	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	70	0.25	125	0.5	55.6	32	115	58.5	17.9	20	
Arsenic	110.4	0.25	125	8.075	81.9	59	111	98.52	11.4	20	
Barium	268.5	0.15	125	150	94.8	34	151	266.5	0.748	20	
Beryllium	106	0.15	125	0	84.8	56	112	93	13.1	20	
Cadmium	95.4	0.15	125	0	76.3	52	120	83.34	13.5	20	
Chromium	135.5	0.15	125	23.5	89.6	56	118	122.5	10.1	20	
Cobalt	109	0.15	125	10.5	78.8	58	117	97	11.7	20	
Copper	158	0.15	125	30	102	58	134	141.5	11.0	20	
Lead	100.5	0.25	125	4.5	76.8	47	128	89	12.1	20	
Molybdenum	104.5	0.25	125	0.5	83.2	56	115	90.5	14.4	20	
Nickel	117.5	0.15	125	19	78.8	52	120	105.5	10.8	20	
Selenium	101	0.25	125	. 0	80.8	46	108	87.5	14.3	20	
Silver	104.5	0.15	125	0	83.6	74	117	96	8.48	20	
Thallium	100	0.25	125	1	79.2	62	117	87	13.9	20	
Vanadium	148.5	0.15	125	35.5	90.4	55	122	138	7.33	20	
Zinc	148.5	0.50	125	46	82	43	134	137.5	7.69	20	

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

H - Sample exceeded holding time

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11464

	·												
Sample ID MB	3-11464	SampType:	MBLK	TestCoo	de: 7471_S	Units: mg/Kg		Prep Date	11/20/200	2	Run ID: AA	1_021121A	
Client ID: ZZZ	77Z	Batch ID:	11464	TestN	lo: EPA 7471.	A (EPA 7471)		Analysis Date	: 11/21/200	2	SeqNo: 35 (0811	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit i	HighLimit RI	PD Ref Val	%RPD	RPDLimit	Qual
Mercury			ND	0.10									
Sample ID LC	S-11464	SampType:	LCS	TestCoo	de: 7471_S	Units: mg/Kg		Prep Date	: 11/20/200	2	Run ID: AA	1_021121A	
Client ID: ZZZ	777	Batch ID:	11464	TestN	lo: EPA 747 1.	A (EPA 7471)		Analysis Date	: 11 /21/200	2	SeqNo: 35	0810	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit R	PD Ref Val	%RPD	RPDLimit	Qual
Mercury			2.197	0.10	2.08	0	106	80	120	0	0		
Sample ID 060	0026-008AMS	SampType:	MS	TestCoo	de: 7471_S	Units: mg/Kg		Prep Date	: 11/20/200	2	Run ID: AA	1_021121A	•
Client ID: 7F		Batch ID:	11464	TestN	lo: EPA 747 1.	A (EPA 7471)		Analysis Date	: 11/21/200	2	SeqNo: 35 6	808	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit #	HighLimit R	PD Ref Val	%RPD	RPDLimit	Qual
Mercury			1.062	0.10	0.83	0.05957	121	62	146	0	0		
Sample ID 060	0026-008AMSD	SampType:	MSD	TestCoo	de: 74 71_ S	Units: mg/Kg		Prep Date	: 11/20/200	2	Run 1D: 🗚	1_021121A	<u> </u>
Client ID: 7F		Batch ID:	11464	TestN	lo: EPA 7471.	A (EPA 7471)		Analysis Date	11/21/200	2	SeqNo: 35	0809	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit R	PD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND-NotDetectedattheReportingLimit

J-Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S-Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11521

Lead ND 0.20														
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Sample ID MB-11521A SampType: MBLK TestCode: 7420_ST Units: mg/L Prep Date: 11/25/2002 Run ID: AA2_021127D SeqNo: 353515 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Lead ND 0.20 SPK value SPK Ref Val %REC LowLimit HighLimit RPD RPDLimit Qual Sample ID MB-11521B SampType: MBLK TestCode: 7420_ST Units: mg/L Prep Date: 11/25/2002 Run ID: AA2_021127D Client ID: ZZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353528 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Lead ND 0.20 TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002	Sample ID	MB-11521	SampType:	MBLK	TestCod	e: 7420_S T	Units: mg/L		Prep Dat	e: 11/27/200	02	Run ID: AA	2_021127D	
Lead ND 0.20 Sample ID MB-11521A SampType: MBLK TestCode: 7420_ST Units: mg/L Prep Date: 11/25/2002 Run ID: AA2_021127D SeqNo: 353515 SeqNo: 353528 SeqNo: 353527 SeqN	Client ID:	77777	Batch ID:	11521	TestN	o: WET/ EPA	174 (WET)		Analysis Dat	e: 11/27/20 0	02	SeqNo: 35	3514	
Sample ID MB-11521A SampType: MBLK TestCode: 7420_ST Units: mg/L Prep Date: 11/25/2002 Run ID: AA2_021127D	Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
Client ID: ZZZZZ	Lead			ND	0.20									
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual ND 0.20 Sample ID MB-11521B SampType: MBLK TestCode: 7420_ST Units: mg/L Prep Date: 11/25/2002 Run ID: AA2_021127D SeqNo: 353528 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Lead ND 0.20 Sample ID LCS-11521 SampType: LCS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Lead SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD Ref Val	Sample 1D	MB-11521A	SampType:	MBLK	TestCod	le: 7420_ST	Units: mg/L		Prep Dat	e: 11/25/200	02	Run ID: AA	2_021127D	
Sample ID MB-11521B SampType: MBLK TestCode: 7420_ST Units: mg/L Prep Date: 11/25/2002 Run ID: AA2_021127D	Client ID:	77777	Batch ID:	11521	TestN	io: WET/ EPA	4 74 (WET)		Analysis Dat	ie: 11/27/20 6	02	SeqNo: 35 3	3515	
Sample ID MB-11521B SampType: MBLK TestCode: 7420_ST Units: mg/L Prep Date: 11/25/2002 Run ID: AA2_021127D Client ID: ZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353528 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qua Lead ND 0.20 TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353537 Analyse Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qua Lead 5.116 0.20 5 0 102 80 120 0 0	Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
Client ID: ZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353528 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Lead ND 0.20 Sample ID LCS-11521 SampType: LCS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Analysis Date: 11/27/2002 SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Lead 5.116 0.20 5 0 102 80 120 0 0 Sample ID 059956-032AMS SampType: MS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353527	Lead			ND	0.20									
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Lead ND 0.20 Sample ID LCS-11521 SampType: LCS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Lead 5.116 0.20 5 0 102 80 120 0 0 Sample ID 059956-032AMS SampType: MS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353527	Sample ID	MB-11521B	SampType:	MBLK	TestCod	ie: 7420_ST	Units: mg/L		Prep Dat	te: 11/25/20	02	Run ID: AA		
Lead ND 0.20 Sample ID LCS-11521 SampType: LCS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qua Lead 5.116 0.20 5 0 102 80 120 0 0 Sample ID 059956-032AMS SampType: MS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353527	Client ID:	<u>77777</u>	Batch ID:	11521	TestN	lo: WET/ EP/	4 74 (WET)		Analysis Dat	te: 11/27/20	02	SeqNo: 35	3528	
Sample ID LCS-11521 SampType: LCS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Lead 5.116 0.20 5 0 102 80 120 0 0 Sample ID 059956-032AMS SampType: MS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353527	Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
Client ID: ZZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353537 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qua Lead 5.116 0.20 5 0 102 80 120 0 0 Sample ID 059956-032AMS SampType: MS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353527	Lead			ND	0.20									
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qualities Lead 5.116 0.20 5 0 102 80 120 0 0 Sample ID 059956-032AMS SampType: MS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: 277772 Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353527	Sample ID	LCS-11521	SampType:	LCS	TestCod	je: 7420_S T	Units: mg/L		Prep Dat	te: 11/27/20	02	Run ID: AA	2_021127D	
Lead 5.116 0.20 5 0 102 80 120 0 0 Sample ID 059956-032AMS SampType: MS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: 222222 Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353527	Client ID:	7777Z	Batch ID:	11521	TestN	lo: WET/ EP/	4 74 (WET)		Analysis Dat	te: 11/27/20	02	SeqNo: 35	3537	
Sample ID 059956-032AMS SampType: MS TestCode: 7420_ST Units: mg/L Prep Date: 11/27/2002 Run ID: AA2_021127D Client ID: ZZZZZ Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353527	Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
Client ID: 22772 Batch ID: 11521 TestNo: WET/ EPA 74 (WET) Analysis Date: 11/27/2002 SeqNo: 353527	Lead			5.116	0.20	5	0	102	80	120	0	0		
	Sample ID	059956-032AMS	SampType:	MS	TestCoc	de: 7420_ST	Units: mg/L		Prep Da	te: 11/27/20	02	Run ID: A/	2_021127D	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qua	Client ID:	22772	Batch ID:	11521	TestN	lo: WET/ EP/	4 74 (WET)		Analysis Da	te: 11/27/20	02	SeqNo: 35	3527	
	Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
Lead 32.06 0.80 5 27.17 97.8 80 120 0 0														

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R-RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

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Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11521

Sample ID 059956-040AMS	SampType: MS	TestCode: 7420_ST	Units: mg/L	Prep Date: 11/27/2002	Run ID: AA2_021127D
Client ID: ZZZZZ	Batch ID: 11521	TestNo: WET/ EPA 74	(WET)	Analysis Date: 11/27/2002	SeqNo: 353535
Analyte	Result	PQL SPK value SF	PK Ref Val %REC	LowLimit HighLimit RPD Ref	Val %RPD RPDLimit Qual
Lead	10.66	0.40 5	5.25 108	80 120	0 0

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Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: 11527

	·										·		
Sample ID N	MB-11527	SampType:	MBLK	TestCod	e: 7420_TC	Units: mg/L		Prep Date	e: 11/26/20	002	Run ID: AA	.2_021127A	
Client ID: Z	77777	Batch ID:	11527	TestN	o: EPA 13 11	/ 74 (EPA 3010A)		Analysis Dat	e: 11/27/2	002	SeqNo: 35	3403	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead			ND	0.20									
Sample ID N	MB-11522-TCLP	SampType:	MBLK	TestCod	e: 7420_TC	Units: mg/L		Prep Dat	e: 11/26/2	002	Run ID: AA	2_021127A	
Client ID: Z	77777	Batch ID:	11527	TestN	o: EPA 1311	/74 (EPA 3010A)		Analysis Dat	e: 11/27/2	002	SeqNo: 35	3404	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead			0.1137	0.20									J
Sample ID L	LCS-11527	SampType:	LCS	TestCod	e: 7420_TC	Units: mg/L		Prep Dat	e: 11/26/2	002	Run ID: AA	2_021127A	
Client ID: Z	77772	Batch ID:	11527	TestN	o: EPA 1311	/74 (EPA 3010A)		Analysis Dat	e: 11/27/2	002	SeqNo: 35	3408	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	-		1.051	0.20	1	0	105	80	120	0	0		
Sample ID 0	060026-004AMS	SampType:	MS	TestCod	e: 7420_TC	Units: mg/L		Prep Dat	e: 11/26/2	002	Run ID: AA	12_021127A	
Client ID: B	B1	Batch ID:	11527	TestN	o: EPA 1311	1/74 (EPA 3010A)		Analysis Dat	ie: 11/27/2	002	SeqNo: 35	3406	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead			2.953	0.20	2.5	0.122	113	80	120	0	0		
Sample ID 0	060026-004AMSD	SampType:	MSD	TestCod	e: 7420_TC	Units: mg/L		Prep Dat	te: 11/26/2	002	Run ID: AA	12_021127A	
Client ID: E	B1	Batch ID:	11527	TestN	o: EPA 1311	I/ 74 (EPA 3010A)		Analysis Dat	te: 11/27/2	002	SeqNo: 35	3407	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead			2.781	0.20	2.5	0.122	106	80	120	2.953	6.00	20	

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: E02VS292

Sample ID I	E021120MB1	SampType: MBLK	TestCod	le: 8015_S_G	50 Units: mg/Kg		Prep Da	te:		Run ID: GO	2_021120A	
Client ID: 2	27777	Batch ID: E02VS292	TestN	lo: EPA 801 5	B(M		Analysis Da	te: 11/20/2	2002	SeqNo: 35	0664	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND	1.0									
Surr: Bron	mofluorobenzene (FID)	0.04841	0	100	0	0.0484	34	133	0	0		S
Sample ID I	E021120LC1	SampType: LCS	TestCod	ie: 8015_S_G	50 Units: mg/Kg		Prep Da	te:		Run ID: GC	2_021120A	
Client ID: 2	77777	Batch ID: E02VS292	TestN	lo: EPA 8015	В(М		Analysis Da	te: 11/21/2	2002	SeqNo: 35	0675	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND	1.0	5	0	0	76	114	0	0	:	S
Surr: Bron	mofluorobenzene (FID)	0.09842	0	100	0	0.0984	34	133	0	0		S
Sample ID I	E021120MB1MS	SampType: MS	TestCod	de: 8015_S_C	50 Units: mg/Kg		Prep Da	te:		Run ID: GO	2_021120A	
Client ID:	77777	Batch ID: E02VS292	TestN	lo: EPA 8015	B(M		Analysis Da	te: 11/20 /2	2002	SeqNo: 35	0665	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND	1.0	5	0	0	20	134	0	0		S
Surr: Bron	mofluorobenzene (FID)	0.09308	0	100	0	0.0931	34	133	0	0		s
Sample ID I	E021120MB1MSD	SampType: MSD	TestCoo	de: 8015_S_C	50 Units: mg/Kg		Prep Da	te:		Run ID: GO	2_021120A	
Client ID: 2	77777	Batch ID: E02VS292	TestN	lo: EPA 8015	B(M		Analysis Da	te: 11/20/ 2	2002	SeqNo: 35	0666	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		ND	1.0	5	0	0	20	134	0	0	25	S
Surr: Bron	mofluorobenzene (FID)	0.09141	0	100	0	0.0914	34	133	0	0	0	S
Sample ID	E021120MB1	SampType: MBLK	TestCod	de: 8015_S_C	GAS Units: mg/Kg		Prep Da	te:		Run ID: Go	C2_021120A	
Client ID:	77777	Batch ID: E02VS292	TestN	lo: EPA 8015	5B(M		Analysis Da	ite: 11/20/	2002	SeqNo: 35	2052	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO		0	1.0									
Qualifiers:	ND-Not Detected at the	ne Reporting Limit	S - Spike/Sur	rogate outside	limits due to matrix int	erference	DO	- Surrogate d	diluted out			
	J - Analyte detected be	low quantitation limits	B - Analyte d	letected in the a	ssociated Method Bla	nk	H-9	Sample excee	ded holding time			
	R - RPD outside accep	ted recovery limits	Calculation	ns are based	on raw values						Page	25 of 4

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

BatchID: E02VS292

H - Sample exceeded holding time

Sample ID	E021120MB1	SampType:	MRI K	TestCod	e: 8015 S C	SAS Units: mg/Kg		Prep Da	te:		Run ID: GC	2 021120A	
•	27777		E02VS292		e: 6015_5_6 o: EPA 8015			Analysis Da		2002	SegNo: 352	_	
CHETIC ID.		DalGI ID.	E0243232	162414	O. EFA BUIS	D (IN		Allalysis Da	16. 11/20/2	.002	354110. 332	2032	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bro	omofluorobenzene (FID)		48.41	0	100	0	48.4	34	133	0	0		
Sample ID	E021120LC1	SampType:	LCS	TestCod	e: 8015_S_0	SAS Units: mg/Kg		Prep Da	te:		Run ID: GC	2_021120A	
Client ID:	77777	Batch ID:	E02VS292	TestN	o: EPA 8015	B(M		Analysis Da	te: 11/21/2	2002	SeqNo: 35	2056	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO			4.831	1.0	5	0	96.6	76	114	0	0		
Sum: Bro	omofluorobenzene (FID)		98.42	0	100	0	98.4	34	133	0	0		
Sample ID	E021120MB1MS	SampType:	MS	TestCod	e: 8015_S_0	GAS Units: mg/Kg		Prep Da	te:		Run ID: GC	2_021120A	
Client ID:	77777	Batch ID:	E02VS292	TestN	o: EPA 8015	B(M		Analysis Da	te: 11/20/2	2002	SeqNo: 35	2053	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO			4.511	1.0	5	0	90.2	20	134	0	0		
Surr: Bro	omofluorobenzene (FID)		93.08	0	100	0	93.1	34	133	0	0		
Sample ID	E021120MB1MSD	SampType:	MSD	TestCod	e: 8015_S_C	GAS Units: mg/Kg		Prep Da	te:		Run ID: GC	2_021120A	
Client ID:	77777	Batch ID;	E02VS292	TestN	o: EPA 8015	5B(M		Analysis Da	te: 11/20/2	2002	SeqNo: 35	2054	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO			4.566	1.0	5	0	91.3	20	134	4.511	1.21	25	
Sum Bro	omofluorobenzene (FID)		91.41	0	100	Ō	91.4	34	133	0	0	0	
Sample ID	E021120MB1	SampType:	MBLK	TestCod	e: 8020_S_F	UL Units: µg/Kg		Prep Da	te:		Run ID: GC	2_021120A	
Client ID:	77777	Batch ID:	E02VS292	TestN	o: EPA 802 0)A		Analysis Da	te: 11/20/2	2002	SeqNo: 35	0678	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene			0	5.0									
Ethylbenze	ene		0	5.0									

B - Analyte detected in the associated Method Blank

Ninyo & Moore

R - RPD outside accepted recovery limits

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

${\bf ANALYTICAL\,QC\,SUMMARY\,REPORT}$

BatchID: E02VS292

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Sample ID E021120MB1	SampType: MBLK	TestCod	le: 8020_S_F l	JL Units: µg/Kg		Prep Date	e:		Run ID: GC	2_021120A	
Client ID: ZZZZZ	Batch ID: E02VS292	TestN	lo: EPA 8020 A	A.		Analysis Date	e: 11/20/2	2002	SeqNo: 350	678	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	0	5.0								-	
MTBE	0	5.0									
o-Xylene	0	5.0									
Toluene	0	5.0									
Sample ID E021120LC1	SampType: LCS	TestCod	le: 8020_S_FU	JL Units: µg/Kg		Prep Date	:		Run ID: GC	2_021120A	
Client ID: ZZZZZ	Batch ID: E02VS292	TestN	lo: EPA 8020 A	\		Analysis Date	e: 11/21/2	2002	SeqNo: 35 0	1680	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2 8.75	5.0	27	0	106	63	139	0	0		
Ethylbenzene	47.07	5.0	42	0	112	63	139	0	0		
m,p-Xylene	173.9	5.0	193	0	90.1	63	139	0	0		
MTBE	549.8	5.0	543	0	101	63	139	0	0		
o-Xylene	74.61	5.0	65	0	115	63	139	0	0		
Toluene	155.7	5.0	134	0	116	63	139	0	0		
Sample ID E021120MB1MS	SampType: MS	TestCod	ie: 8020_S_FU	JL Units: µg/Kg		Prep Date	∋:		Run ID: GC	2_021120A	
Client ID: 27777	Batch ID: E02VS292	TestN	lo: EPA 8020 /	A.		Analysis Date	e: 1 1/2 0/2	2002	SeqNo: 35	1242	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	27.24	5.0	27	0	101	41	122	0	0		
Toluene	143.5	5.0	134	Ö	107	40	130	0	0		
Sample ID E021120MB1MSD	SampType: MSD	TestCod	le: 8020_S_F(JL Units: μg/Kg		Prep Date) :		Run ID: GC	2_021120A	
Client ID: ZZZZZ	Batch ID: E02VS292	TestN	lo: EPA 8020 /	4		Analysis Date	e: 11/20/2	2002	SeqNo: 35	1243	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	27.62	5.0	27	0	102	41	122	27.24	1.37	22	
Toluene	149.4	5.0	134	0	111	40	130	143.5	4.03	21	
Qualifiers: ND-Not Detected a	tthe Reporting Limit	S - Spike/Sur	τοgate outside li	mits due to matrix int	erference	DO -	Surrogate d	iluted out			······
-	. 2	-	_	sociated Method Bla			_	ded holding time			

Calculations are based on raw values

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: E02VS293

Sample ID E021121MB1	SampType: MBLK	TestCode	: 8015_S_G	50 Units: mg/Kg		Prep Dat	te:		Run ID: GC	2_021121A	
Client ID: ZZZZZ	Batch ID: E02VS293	TestNo	: EPA 8015I	B(M		Analysis Dat	te: 11/21/2	2002	SeqNo: 350	907	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.094	1.0								-	J
Surr: Bromofluorobenzene (FID) 49.16	0	100	0	49.2	34	133	0	0		
Sample ID E021121LC1	SampType: LCS	TestCode	: 8015_S_G	50 Units: mg/Kg		Prep Dat	te:		Run ID: GC	2_021121A	
Client ID: ZZZZZ	Batch ID: E02VS293	TestNo	EPA 8015	B(M		Analysis Da	te: 11/21/2	2002	SeqNo: 350	0908	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPOLimit	Qual
GRO	4.629	1.0	5	0	92.6	76	114	0	0		
Surr: Bromofluorobenzene (FID) 96.86	0	100	0	96.9	34	133	0	0		
Sample ID E021121MB1MS	SampType: MS	TestCode	e: 8015_S_G	50 Units: mg/Kg		Prep Da	te:		Run ID: GC	2_021121A	
Client ID: ZZZZZ	Batch ID: E02VS293	TestNo	: EPA 8015	B(M		Analysis Da	te: 11/21/2	2002	SeqNo: 35	1019	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.63	1.0	5	0.094	90.7	20	134	0	0		
Surr: Bromofluorobenzene (FID) 97. 3 5	0	100	0	97.4	34	133	0	0		
Sample ID E021121MB1MS	SampType: MSD	TestCode	e: 8015_S_G	50 Units: mg/Kg		Prep Da	te:		Run ID: GC	2_021121A	
Client ID: ZZZZZ	Batch ID: E02VS293	TestNo	EPA 8015	B(M		Analysis Da	te: 11/21/	2002	SeqNo: 35	1020	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.558	1.0	5	0.094	89.3	20	134	4.63	1.57	25	
Surr: Bromofluorobenzene (FID) 89.91	0	100	0	89.9	34	133	0	0	0	
Sample ID E021121MB1	SampType: MBLK	TestCode	: HC_S_VO	A_ Units: mg/Kg		Prep Da	te:		Run ID: GC	2_021121A	
Client ID: ZZZZZ	Batch ID: E02VS293	TestNo	EPA 8015	В		Analysis Da	te: 11/21/	2002	SeqNo: 35	0923	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	0.094	. 1.0									J
Qualifiers: ND-NotDetecte	dat the Reporting Limit	S - Spike/Surre	ogate outside l	imits due to matrix int	erference	DO.	- Surrogate d	liluted out			
J - Analyte detect	ed below quantitation limits	B - Analyte de	tected in the a	ssociated Method Bla	nk	H-S	ample excee	ded holding time			
R - RPD outside a	ecepted recovery limits	Calculation	s are based o	on raw values						Page	28 of 42

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: E02VS293

Sample ID E021121MB1	SampType: MBLK	TestCod	de: HC_S_VO	A_ Units: mg/Kg		Prep Dat	e:		Run ID: GC	2_021121A	
Client ID: ZZZZZ	Batch ID: E02VS293	TestN	lo: EPA 8015	В		Analysis Dat	ie: 11/21/2	2002	SeqNo: 350	923	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr. Bromofluorobenzene (FID)) 49.16	1.0	100	0	49.2	34	133	0	0		
Sample ID E021121LC1	SampType: LCS	TestCod	de: HC_S_VO	A_ Units: mg/Kg		Prep Dat	te:		Run ID: GC	2_021121A	
Client ID: ZZZZZ	Batch ID: E02VS293	TestN	lo: EPA 8015 l	В		Analysis Dat	te: 11/21/2	2002	SeqNo: 350	0924	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12	4.629	1.0	5	0	92.6	76	114	0	0		
Surr. Bromofluorobenzene (FID)) 96.86	1.0	100	0	96.9	34	133	0	0		
Sample ID E021121MB1MS	SampType: MS	TestCod	de: HC_S_VO	A_ Units: mg/Kg		Prep Dat	te:		Run ID: GC	2_021121A	
Client ID: ZZZZZ	Batch ID: E02VS293	Test	lo: EPA 8015	R ·		Analysis Dat	te: 11/21/2	2002	SeqNo: 35	1015	
	Dater ID. LOZVOZO	1030		_		7 0101 y 515 D 01			554.151 55		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit		RPD Ref Val	%RPD	RPDLimit	Qual
Analyte T/R Hydrocarbons: C5-C12						•					Qual
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD		Qual
T/R Hydrocarbons: C5-C12	Result	PQL 1.0 1.0	SPK value	SPK Ref Val 0.094 0	%REC 90.7	LowLimit	HighLimit 134 133	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C5-C12 Surr: Bromofluorobenzene (FID)	4.63) 97.35	PQL 1.0 1.0 TestCoo	SPK value 5 100	SPK Ref Val 0.094 0 A_ Units: mg/Kg	%REC 90.7 97.4	LowLimit 20 34	HighLimit 134 133 te:	RPD Ref Val 0 0	%RPD 0 0	RPDLimit	Qual
T/R Hydrocarbons: C5-C12 Surr: Bromofluorobenzene (FID) Sample ID E021121MB1MSD	Result	PQL 1.0 1.0 TestCoo	SPK value 5 100 de: HC_S_VO. No: EPA 8015	SPK Ref Val 0.094 0 A_ Units: mg/Kg	%REC 90.7 97.4	LowLimit 20 34 Prep Dat Analysis Dat	HighLimit 134 133 te: te: 11/21/2	RPD Ref Val 0 0	%RPD 0 0 Run ID: GC	RPDLimit	Qual
T/R Hydrocarbons: C5-C12 Surr: Bromofluorobenzene (FID) Sample ID E021121MB1MSD Client ID: ZZZZZ	Result 4.63 97.35 SampType: MSD Batch ID: E02VS293	PQL 1.0 1.0 TestCoo	SPK value 5 100 de: HC_S_VO. No: EPA 8015	SPK Ref Val 0.094 0 A_ Units: mg/Kg	%REC 90.7 97.4	LowLimit 20 34 Prep Dat Analysis Dat	HighLimit 134 133 te: te: 11/21/2	RPD Ref Val 0 0	%RPD 0 0 Run ID: GC SeqNo: 35	RPDLimit 22_021121A 1016	

Qualifiers: ND-NotDetectedattheReportingLimit

J-Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS144

Sample ID R021120MB1	SampType: MBLK	TestCoo	le: 8260OX_5	i03 Units: µg/K	3	Prep Da	ite:		Run ID: MS	3_021120A	
Client ID: ZZZZZ	Batch ID: R02VS144	TestN	lo: 8260+OX			Analysis Da	ite: 11/20/	2002	SeqNo: 35	0829	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0	770	·							
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	. ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND-Not Detected at the Reporting Limit

J-Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

H - Sample exceeded holding time

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Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS144

Sample ID R021120MB1	SampType: MBLK	TestCod	le: 8260O X_5	503 Units: µg/Kg		Prep Dat	te:		Run ID: MS	3_021120A	
Client ID: ZZZZZ	Batch ID: R02VS144	TestN	lo: 8260+OX			Analysis Dat	te: 11/20/2	002	SeqNo: 350	1829	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	· ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	5.0									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND .	5.0									
Trichloroethene	ND ND	5.0									

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R-RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS144

Sample ID R021120MB1	SampType: MBLK	TestCod	le: 8260OX _5	03 Units: µg/Kg		Prep Dat	te:		Run ID: MS	3_021120A	
Client ID: ZZZZZ	Batch ID: R02VS144	TestN	lo: 8260+OX			Analysis Dat	te: 11/20/2	2002	SeqNo: 35	0829	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	46.62	5.0	50	0	93.2	66	160	0	0		
Surr: 4-Bromofluorobenzene	47.07	5.0	50	0	94.1	84	120	0	0		
Surr: Dibromofluoromethane	50.83	5.0	50	0	102	69	131	0	0		
Surr: Toluene-d8	48.94	5.0	50	0	97.9	86	125	0	0		
Sample ID R021120LC1	SampType: LCS	TestCod	de: 8260OX_5	i03 Units: µg/Kg		Prep Da	te:		Run ID: MS	3_021120A	
Client ID: ZZZZZ	Batch ID: R02VS144	TestN	io: 8260+OX			Anaiysis Da	te: 11/20/2	2002	SeqNo: 35	0825	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	80.81	5.0	100	0	80.8	67	155	0	0		
Benzene	95.24	5.0	100	0	95.2	86	140	0	0		
Chlorobenzene	88.84	5.0	100	0	88.8	86	135	0	0		
MTBE	200.1	5.0	200	0	100	70	130	0	0		
Toluene	91.79	5.0	100	0	9 1.8	85	144	0	0		
Trichloroethene	100.4	5.0	100	0	100	85	148	0	0		
Surr: 1,2-Dichloroethane-d4	44.05	5.0	50	0	88.1	66	160	0	0		
Surr:4-Bromofluorobenzene	48.06	5.0	50	0	96.1	84	120	0	0		
Surr: Dibromofluoromethane	47.63	5.0	50	0	95.3	69	131	0	0		
Surr: Toluene-d8	50.47	5.0	50	0	101	86	125	0	0		
Sample ID R021120MB1	SampType: MS	TestCo	de: 8260OX _	503 Units: µg/Kg		Prep Da	te:		Run ID: MS	3_021120A	
Client ID: ZZZZZ	Batch ID: R02VS144	Test	No: 8260+OX			Analysis Da	te: 11/20/	2002	SeqNo: 35	0826	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
1,1-Dichloroethene	78.9	5.0	100	0	78.9	50	145	0	0		
Benzene	96.62	5.0	100	0	96.6	45	150	0	0		
Chlorobenzene	90.58	5.0	100	0	90.6	36	148	. 0	0		
мтве	199.2	5.0	200	0	99.6	70	130	0	0		

Qualifiers: ND-Not Detected at the Reporting Limit

S - Spike/Surrogate outside limits due to matrix interference

DO - Surrogate diluted out

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Sample exceeded holding time

R - RPD outside accepted recovery limits

Calculations are based on raw values

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Ninyo & Moore

Work Order:

060026

Project:

Toluene

Trichloroethene

Surr: Toluene-d8

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Bloomfield Business Center, 203571006

92.44

98.9

44.44

47.22

47.32

48.84

5.0

5.0

5.0

5.0

5.0

5.0

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS144

96.9

105.1

0

0

4.71

6.11

0

0

21

20

0

0

0

Sample ID R021120MB1	SampType: MS	TestCod	de: 8260OX_	503 Units: μg/Kg		Prep Da	te:		Run ID: MS	3_021120A	
Client ID: ZZZZZ	Batch ID: R02VS144	TestN	lo: 8260+OX			Analysis Da	te: 11/20/2	2002	SeqNo: 35 6	0826	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	96.9	5.0	100	0	96.9	34	167	0	0		
Trichloroethene	105.1	5.0	100	0	105	40	158	0	0		
Surr. 1,2-Dichloroethane-d4	42.6	5.0	50	0	85.2	66	160	0	0		
Surr: 4-Bromofluorobenzene	47.2	5.0	50	0	94.4	84	120	0	0		
Surr: Dibromofluoromethane	47.2	5.0	50	0	94.4	69	131	0	0		
Surr: Toluene-d8	49.92	5.0	50	0	99.8	86	125	0	0		
Sample ID R021120MB1	SampType: MSD	TestCo	de: 8260OX_	503 Units: µg/Kg		Prep Da	te:		Run 1D: MS	3_021120A	
Client ID: ZZZZZ	Batch ID: R02VS144	TestN	No: 8260+OX			Analysis Da	te: 11/20 /2	2002	SeqNo: 35	0827	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	76.83	5.0	100	0	76.8	50	145	78.9	2.66	26	
Benzene	91.31	5.0	100	0	91.3	45	150	96.62	5.65	18	
Chlorobenzene	88.2	5.0	100	0	88.2	36	148	90.58	2.66	22	
MTBE	207	5.0	200	0	104	70	130	199.2	3.88	30	

0

0

0

0

0

92.4

98.9

88.9

94.4

94.6

97.7

34

40

66

84

69

86

167

158

160

120

131

125

Qualifiers: ND-Not Detected at the Reporting Limit

J-Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

100

100

50

50

50

50

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS145

Sample ID R021121MB1 TestCode: 8260OX_503 Units: µg/Kg Run ID: MS3 021121B SampType: MBLK Prep Date: Client ID: ZZZZZ Batch ID: R02VS145 TestNo: 8260+OX Analysis Date: 11/21/2002 SeqNo: 350895 Analyte Result PQL SPK value SPK Ref Val. %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual 1,1,1,2-Tetrachloroethane ND 5.0 1,1,1-Trichloroethane ND 5.0 ND 1,1,2,2-Tetrachloroethane 5.0 ND 5.0 1,1,2-Trichloroethane ND 5.0 1,1-Dichloroethane ND 5.0 1,1-Dichloroethene ND 5.0 1,1-Dichloropropene 1,2,3-Trichlorobenzene ND 5.0 1,2,3-Trichloropropane ND 5.0 1,2,4-Trichlorobenzene ND 5.0 1,2,4-Trimethylbenzene ND 5.0 1,2-Dibromo-3-chloropropane ND 5.0 ND 5.0 1,2-Dibromoethane 1.2-Dichlorobenzene ND 5.0 1,2-Dichloroethane ND 5.0 ND 1,2-Dichloropropane 5.0 ND 5.0 1,3,5-Trimethylbenzene 1,3-Dichlorobenzene ND 5.0 1,3-Dichloropropane ND 5.0 1,4-Dichlorobenzene ND 5.0 2,2-Dichloropropane ND 5.0 2-Chlorotoluene ND 5.0 4-Chlorotoluene ND 5.0 ND 4-Isopropyltoluene 5.0 Benzene ND 5.0

Qualifiers:

Bromobenzene Bromodichloromethane

Bromomethane

Carbon tetrachloride

Bromoform

ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

ND

ND

ND

ND

ND

5.0

5.0

5.0

5.0

5.0

R-RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS145

Sample ID R021121MB1	SampType: MBLK	TestCode: 8260OX_503 Units: µg/Kg	Prep Date:	Run ID: MS3_021121B
Client ID: ZZZZZ	Batch ID: R02VS145	TestNo: 8260+OX	Analysis Date: 11/21/2002	SeqNo: 350895
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Quat
Chlorobenzene	ND	5.0		
Chloroethane	ND	5.0		
Chloroform	ND	5.0		
Chloromethane	ND	5.0		
cis-1,2-Dichloroethene	ND	5.0		
cis-1,3-Dichloropropene	ND	5.0		
Di-isopropyl ether	ND	5.0		
Dibromochloromethane	ND	5.0		
Dibromomethane	, ND	5.0		
Dichlorodifluoromethane	ND	5.0		
Ethyl tert-butyl ether	ND	5.0		
Ethylbenzene	ND	5.0		
Hexachlorobutadiene	ND	5.0		
Isopropylbenzene	ND	5.0		
m,p-Xylene	ND	5.0		
Methylene chloride	ND	5.0		
MTBE	ND	5.0		
n-Butylbenzene	ND	5.0		
n-Propylbenzene	ND	5.0		
Naphthalene	ND	5.0		
o-Xylene	ND	5.0		
sec-Butylbenzene	ND	5.0		
Styrene	ND	5.0		
Tert-amyl methyl ether	ND	5.0		
Tert-Butanol	ND	100		
tert-Butylbenzene	ND	5.0		
Tetrachloroethene	ND	5.0		
Toluene	ND	5.0		
trans-1,2-Dichloroethene	ND	5.0		
Trichloroethene	ND	5.0	No.	

Qualifiers: ND-NotDetectedattheReportingLimit

J-Analyte detected below quantitation limits

R-RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS145

Sample ID R021121MB1 Client ID: ZZZZZ	SampType: MBLK Batch ID: R02VS145		de: 8260OX_5 0 do: 8260+OX	3 Units: µg/Kg		Prep Dat Analysis Dat		002	Run ID: MS SeqNo: 350		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	5.0		•			•				
Virnyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	44.57	5.0	50	0	89.1	66	160	0	0		
Surr: 4-Bromofluoroberizene	47.52	5.0	50	0	95	84	120	0	0		
Surr: Dibromofluoromethane	48.17	5.0	50	0	96.3	69	131	0	0		
Surr: Toluene-d8	49.63	5.0	50	0	99.3	86	125	0	0		
Sample iD R021121LC1	SampType: LCS	TestCod	de: 8260OX_5 0	3 Units: µg/Kg		Prep Dat	te:	<u> </u>	Run ID: MS	3_021121B	
Client 1D: ZZZZZ	Batch ID: R02VS145	TestN	lo: 8260+OX			Analysis Dat	te: 11/21/2	2002	SeqNo: 35 0)894	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	83.85	5.0	100	0	83.8	67	155	0	0		
Benzene	102	5.0	100	0	102	86	140	0	0		
Chlorobenzene	95.51	5.0	100	0	95.5	86	135	0	0		
MTBE	200.6	5.0	200	0	100	70	130	0	0		
Toluene	101.5	5.0	100	0	101	85	144	0	0		
Trichloroethene	111.8	5.0	100	0	112	85	148	0	0		
Surr: 1,2-Dichloroethane-d4	43.71	5.0	50	0	87.4	66	160	0	0		
Surr: 4-Bromofluoroberizene	48.81	5.0	50	0	97.6	84	120	0	0		
Surr: Dibromofluoromethane	47.73	5.0	50	0	95.5	69	131	0	0		
Surr: Toluene-d8	50.41	5.0	50	0	101	86	125	0	0		
Sample ID 059984-031AMS	SampType: MS	TestCod	de: 8260OX_5 0)3 Units: μg/Kg		Prep Da	te:		Run ID: MS	3_021121B	
Client 1D: ZZZZZ	Batch ID: R02VS145	TestN	lo: 8260+OX			Analysis Da	te: 11/21/2	2002	SeqNo: 35	1035	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	74.23	5.0	100	0	74.2	50	145	0	0		
Benzene	71.58	5.0	100	0	71.6	45	150	0	0		
Chlorobenzene	31.67	5.0	100	0	31.7	36	148	. 0	0		s
MTBE	21 3 .2	. 5.0	200	0	107	70	130	0	0		

Qualifiers: ND-NotDetectedatthe Reporting Limit

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS145

Sample ID 059984-031AMS	SampType: MS	TestCo	de: 8260OX_5	03 Units: µg/Kg		Prep Date	e:		Run ID: MS	3_021121B	
Client ID: ZZZZZ	Batch ID: R02VS145	Test	No: 8260+OX			Analysis Dat	e: 11/2 1/2	2002	SeqNo: 351	1035	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	54.65	5.0	100	0	54.6	34	167	0	0		
Trichloroethene	68.97	5.0	1 0 0	o	69	40	158	0	0		
Surr: 1,2-Dichloroethane-d4	53.91	5.0	50	0	108	6 6	160	0	0		
Surr: 4-Bromofluorobenzene	49.27	5.0	50	0	98.5	84	120	0	0		
Surr: Dibromofluoromethane	50.87	5.0	50	0	102	69	131	0	0		
Surr: Toluene-d8	48.87	5.0	50	0	97.7	86	125	0	0		
Sample ID 059984-031AMSD	SampType: MSD	TestCo	de: 8260OX_5	503 Units: μg/Kg		Prep Date	e:		Run ID: MS	3_021121B	
Client ID: ZZZZZ	Batch ID: R02VS145	Test	No: 8260+OX			Analysis Dat	e: 11/21/2	2002	SeqNo: 35	1036	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	74.61	5.0	100	0	74.6	50	145	74.23	0.511	26	
Benzene	74.57	5.0	100	0	74.6	45	150	71.58	4.09	18	
Chlorobenzene	30.31	5.0	100	0	30.3	36	148	31.67	4.39	22	S
MTBE	226.9	5.0	200	0	113	70	130	213.2	6.24	30	
Toluene	54.01	5.0	100	0	54	34	167	54.65	1.18	21	
Trichloroethene	68.63	5.0	100	0	68.6	40	158	68.97	0.494	20	
Surr: 1,2-Dichloroethane-d4	52.52	5.0	50	0	105	66	160	0	0	0	
Surr: 4-Bromofluorobenzene	47.84	5.0	50	0	95.7	84	120	0	0	0	
Carr. I Bromondoroporazono											
Surr. Dibromofluoromethane	50.09	5.0	50	0	100	69	131	0	0	0	

Qualifiers: ND-Not Detected at the Reporting Limit

J-Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B-Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS146

Sample ID R021121MB2	SampType: MBLK	TestCoo	le: 8260OX_5	03 Units: µg/Kg		Prep Da	te:		Run ID: MS	3_021121C	
Client ID: ZZZZZ	Batch ID: R02VS146	TestN	lo: 8260+OX			Analysis Da	te: 11/21/2	2002	SeqNo: 35	1178	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachioroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	· ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Cal pointer act notice	ND										

Qualifiers: ND-NotDetectedatthe Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B-Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS146

Sample ID R021121MB2	SampType: MBLK	TestCo	de: 8260OX_	503 Units: µg/Kg		Prep Da	ite:		Run ID: MS3_021121C		
Client ID: ZZZZZ	Batch ID: R02VS146	TestN	lo: 8260+OX			Analysis Da	ite: 11/21/2	2002	SeqNo: 35	1178	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	. ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	5.0									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS146

Sample ID R021121MB2	SampType: MBLK		de: 8260OX_5	03 Units: µg/Kg		Prep Da			Run ID: MS	_	
Client ID: ZZZZZ	Batch ID: R02VS146	TestN	lo: 8260+OX			Analysis Da	te: 11/21/2	1002	SeqNo: 351	1178	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichiorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.05	5.0	50	0	96.1	6 6	160	0	0		
Surr: 4-Bromofluorobenzene	48.25	5.0	50	0	96.5	84	120	0	0		
Surr: Dibromofluoromethane	51.01	5.0	50	0	102	69	131	0	0		
Surr: Toluene-d8	49.22	5.0	50	0	98.4	86	125	0	0		
Sample ID R021121LC2	SampType: LCS	TestCo	de: 8260OX_	i03 Units: µg/Kg		Prep Da	te:		Run ID: MS	3_021121C	
Client ID: ZZZZZ	Batch ID: R02VS146	TestN	lo: 8260+OX			Anaiysis Da	te: 11/21/2	2002	SeqNo: 35	1174	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
1,1-Dichloroethene	79.61	5.0	100	0	79.6	67	155	0	0		
Benzene	93.99	5.0	100	0	94	86	140	0	0		
Chlorobenzene	88.52	5.0	100	0	88.5	86	135	0	0		
MTBE	194	5.0	200	0	97	70	130	0	0		
Toluene	92.27	5.0	100	0	92.3	85	144	0	0		
Trichloroethene	101.2	5.0	100	0	101	85	148	0	0		
Surr: 1,2-Dichloroethane-d4	44,55	5.0	50	0	89.1	6 6	160	0	0		
Surr: 4-Bromofluorobenzene	47.5	5.0	50	0	95	84	120	0	0		
Surr: Dibromofluoromethane	49.06	5.0	50	0	98.1	69	131	0	0		
Surr: Toluene-d8	49.3	5.0	50	0	98.6	86	125	0	0		
Sample ID R021121MB2	SampType: MS	TestCo	de: 8260OX_	503 Units: µg/Kg	·····	Prep Da	te:		Run ID: MS	3_021121C	
Client ID: ZZZZZ	Batch ID: R02VS146	Testf	lo: 8260+OX			Analysis Da	te: 11/21/2	2002	SeqNo: 35	1175	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
1,1-Dichloroethene	82.59	5.0	100	0	82.6	50	145	0	0		
Benzene	98.51	5.0	100	0	98.5	45	150	0	0		
Chlorobenzene	90.28	5.0	100	0	90.3	36	148	0	0		
MTBE	213.9	5.0	200	0	107	70	130	0	0		

Qualifiers: ND-Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R02VS146

Sample ID R021121MB2	SampType: MS	TestCod	de: 8260OX_5 0	03 Units: µg/Kg		Prep Dat	e:		Run ID: MS	3_021121C	
Client ID: ZZZZZ	Batch ID: R02VS146	TestN	ło: 8260+O X			Analysis Dat	ie: 1 1/ 2 1/ 2	1002	SeqNo: 35 1	175	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	98.29	5.0	100	0	98.3	34	167	0	0		
Trichloroethene	109	5.0	100	0	109	40	158	0	0		
Surr: 1,2-Dichloroethane-d4	46.19	5.0	50	0	92.4	66	160	0	0		
Surr: 4-Bromofluorobenzene	48.17	5.0	50	0	96.3	84	120	0	0		
Surr: Dibromofluoromethane	49.6	5.0	50	0	99.2	69	131	0	0		
Surr: Toluene-d8	50.48	5.0	50	0	101	86	125	0	0		
Sample ID R021121MB2	SampType: MSD	TestCod	de: 8260OX_ 5	03 Units: µg/Kg		Prep Dat	te:		Run ID: MS	3_021121C	
Client ID: ZZZZZ	Batch ID: R02VS146	TestN	lo: 8260+OX			Analysis Da	te: 11/2 1/2	2002	SeqNo: 35	1176	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	76.14	5.0	100	0	76.1	50	145	82.59	8.13	26	
Benzene	93.01	5.0	100	0	93	45	150	98.51	5.74	18	
Chlorobenzene	87.08	5.0	100	0	87.1	36	148	90.28	3.61	22	
	07.00										
MTBE	194.6	5.0	200	0	97.3	70	130	213.9	9.45	30	
MTBE Toluene		5.0 5.0	200 100	0		70 34	130 167	213.9 98.29	9.45 4.7 7	30 21	
	194.6			•	97.3						
Toluene	194.6 93.71	5.0	100	0	97.3 93.7	34	167	98.29	4.77	21	
Toluene Trichloroethene	194.6 93.71 102.6	5.0 5.0	100 100	0	97.3 93.7 103	34 40	167 158	98.29 109	4.77 6.04	21 20	
Toluene Trichloroethene Surr: 1,2-Dichloroethane-d4	194.6 93.71 102.6 45.13	5.0 5.0 5.0	100 100 50	0 0	97.3 93.7 103 90.3	34 40 66	167 158 160	98.29 109 0	4.77 6.04 0	21 20 0	

ND-NotDetected at the Reporting Limit Qualifiers:

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out

Ninyo & Moore

Work Order:

060026

Project:

Bloomfield Business Center, 203571006

ANALYTICAL QC SUMMARY REPORT

BatchID: R23140

Sample ID MB-R23140	SampType: MBLK	TestCode: 7196_S Units: mg/Kg	Prep Date: 12/2/2002	Run ID: WETCHEM3_021203A
Client ID: ZZZZZ	Batch ID: R23140	TestNo: EPA 7196A	Analysis Date: 12/3/2002	SeqNo: 354568
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Chromium, Hexavalent	ND	0.10		
Sample ID LCS-R23140	SampType: LCS	TestCode: 7196_S Units: mg/Kg	Prep Date: 12/2/2002	Run ID: WETCHEM3_021203A
Client ID: ZZZZZ	Batch ID: R23140	TestNo: EPA 7196A	Analysis Date: 12/3/2002	SeqNo: 354567
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Chromium, Hexavalent	4.881	0.10 5 0	97. 6 80 120 0	0
Sample iD 060026-001AMS	SampType: MS	TestCode: 7196_S Units: mg/Kg	Prep Date: 12/2/2002	Run ID: WETCHEM3_021203A
Client ID: 7A	Batch ID: R23140	TestNo: EPA 7196A	Analysis Date: 12/3/2002	SeqNo: 354569
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Chromium, Hexavalent	4.853	0.10 5 0	97.1 50 150 0	0
Sample ID 060026-001AMSD	SampType: MSD	TestCode: 7196_S Units: mg/Kg	Prep Date: 12/2/2002	Run ID: WETCHEM3_021203A
Client ID: 7A	Batch ID: R23140	TestNo: EPA 7196A	Analysis Date: 12/3/2002	SeqNo: 354570
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual

Qualifiers: ND-Not Detected at the Reporting Limit

J-Analyte detected below quantitation limits

R-RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out



Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838 (714) 449-9937 • FAX (714) 449-9685

JONES ENVIRONMENTAL

LABORATORY REPORT

Client: Client Address: Ninyo & Moore

475 Goddard, Suite 200

Irvine, CA 92618

Report Date:

12/12/02

JEL Ref. No.:

B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled:

12/12/02

Date Received:

12/12/02

Project:

Bloomfield Business Center

Date Analyzed:

12/12/02

Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Physical State:

Soil

ANALYSES REQUESTED

EPA 5035B/8260B- Volatile Organics by GC/MS + Oxygenates

Mod 8015 Diesel - Simulated Distillation Extended Range (EPA 2887)

Approval:

Steve Jones, Ph.D. Laboratory Manager



Testing Laboratories

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Client Address: Ninvo & Moore

475 Goddard, Suite 200

Irvine, CA 92618

Report Date: JEL Ref. No.: 12/12/02

B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled:

12/12/02

Bloomfield Business Center

Date Received:

12/12/02

Project: Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Date Analyzed: Physical State:

12/12/02 Soil

EPA 5035B/8260B- Volatile Organics by GC/MS & Oxygenates

Practical UST-7-15' UST-7-20' UST-7-25' UST-7-30' UST-7-35' Quantitation Units Sample ID: Limits Analytes: Benzene ND ug/Kg ND ND ND ND 5.0 Bromodichloromethane ND ug/Kg ND ND ND ND 5.0 Bromoform ND ND ND ND ND 5.0 ug/Kg Bromomethane ND ND NDND ND 5.0 ug/Kg n-Butylbenzene ND ug/Kg ND ND ND ND 5.0 sec-Butylbenzene ND 270 260 ND ND 5.0 ug/Kg tert-Butylbenzene ND ND ND ug/Kg ND ND 5.0 Carbon tetrachloride ND ND ND ND ND 5.0 ug/Kg Chlorobenzene ND ND ND ND ND 5.0 ug/Kg Chloroethane ND ND ND 5.0 ug/Kg ND ND Chloroform ND ND ND ND ND 5.0 ug/Kg Chloromethane ND ug/Kg ND ND 5.0 ND ND 2-Chlorotoluene ND ND ND ND ND 5.0 ug/Kg 4-Chlorotoluene ND ND ND ND ND 5.0 ug/Kg Dibromochloromethane ND ND ND ND 5.0 ug/Kg ND 1,2-Dibromo-3-chloropropane ND ND ND ND 5.0 ug/Kg ND 1,2-Dibromoethane (EDB) ND ND ND ND ND 5.0 ug/Kg Dibromomethane ND ND ND ND ND 5.0 ug/Kg 1.2- Dichlorobenzene ND ND ND ND ND 5.0 ug/Kg 1.3-Dichlorobenzene ND ND ug/Kg ND ND ND 5.0 1,4-Dichlorobenzenc ND ND ND ND ND 5.0 ug/Kg Dichlorodifluoromethane ND ND ND ND ug/Kg ND 5.0 1,1-Dichloroethane ND ND ND ND ND 5.0 ug/Kg 1,2-Dichloroethane ND ND ND NDND 5.0 ug/Kg 1,1-Dichloroethene ND ND ND ND ND ug/Kg 5.0

ND = Not Detected



Testing Laboratories

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:

Ninyo & Moore

Client Address:

475 Goddard, Suite 200

Irvine, CA 92618

Report Date: JEL Ref. No.: 12/12/02

B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled: Date Received: 12/12/02

Project:

Bloomfield Business Center

Date Analyzed:

12/12/02 12/12/02

Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Physical State:

Soil

EPA 5035B/8260B- Volatile Organics by GC/MS & Oxygenates

Sample ID:	<u>UST-7-15'</u>	<u>UST-7-20'</u>	<u>UST-7-25'</u>	<u>UST-7-30'</u>	<u>UST-7-35'</u>	Practical Quantitation Limits	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	5.0	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	5.0	ug/Kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	5.0	ug/Kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	5.0	ug/Kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	5.0	ug/Kg
I,I-Dichloropropene	ND	ND	ND	ND	ND	5.0	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	5.0	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	5.0	ug/Kg
Ethylbenzene	750	8600	3900	ND	ND	5.0	ug/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	5.0	ug/Kg
Isopropylbezene	170	950	640	ND	ND	5.0	ug/Kg
4-Isopropyltoluene	ND	ND	280	ND	ND	5.0	ug/Kg
Methylene chloride	190	ND	80	ND	ND	5.0	ug/Kg
Naphthalene	5400	6900	4400	62	ND	5.0 .	ug/Kg
n-Propylbenzene	2700	2700	1800	ND	ND	5.0	ug/Kg
Styrene	ND	ND	ND	ND	ND	5.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	5.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	5.0	ug/Kg
Tetrachloroethylene	ND	ND	ND	ND	ND	5.0	ug/Kg
Toluene	950	1200	500	ND	ND	5.0	ug/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	5.0	ug/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	5.0	ug/Kg
1,1,1-Trichloroethane	NĎ	ND	ND	ND	ND	5.0	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	5.0	ug/Kg
Trichloroethylene	ND	ND	ND	ND	ND	5.0	ug/Kg

ND = Not Detected



Testing Laboratories

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:

Ninyo & Moore

475 Goddard, Suite 200 Client Address:

Irvine, CA 92618

Report Date:

12/12/02

JEL Ref. No.:

B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled:

12/12/02

Date Received:

12/12/02

Project:

Bloomfield Business Center

Date Analyzed:

12/12/02

Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Physical State:

Soil

EPA 5035B/8260B- Volatile Organics by GC/MS & Oxygenates

Sample ID:	<u>UST-7-15'</u>	<u>UST-7-20'</u>	<u>UST-7-25'</u>	<u>UST-7-30'</u>	<u>UST-7-35'</u>	Practical Quantitation Limits	Units
Analytes:						,	
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	ug/Kg
1,2,3-Trichloropropane	ND	ND	ND.	ND	ND	5.0	ug/Kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	5.0	ug/Kg
1,3,5-Trimethylbenzene	2100	7700	5800	ND	ND	5.0	ug/Kg
Vinyl chloride	ND	ND	ND	ND	ND	5.0	ug/Kg
Xylenes	270	7500	2800	ND	ND	5.0	ug/Kg
MTBE	ND	ND	250	ND	ND	5.0	ug/Kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	ug/Kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	ug/Kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	ug/Kg
tert-Butylalcohol	ND	ND	ND	ND	ND	5.0	ug/Kg
Dilution Factor				1	1	·.	
Surrogate Recovery:						OC Limits	
Dibromofluoromethane	96%	89%	87%	92%	90%	60 - 140	
Toluene-d ₈	108%	110%	110%	102%	104%	60 - 140	
4-Bromofluorobenzene	104%	91%	86%	104%	106%	60 - 140	

ND Not Detected



Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838 (714) 449-9937 • FAX (714) 449-9685

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:

Ninyo & Moore

Client Address: 475 Goddard, Suite 200

Irvine, CA 92618

Report Date: JEL Ref. No.:

12/12/02 B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled:

12/12/02

Project:

Date Received: Date Analyzed: 12/12/02

Bloomfield Business Center

12/12/02

Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Physical State:

Soil

EPA 5035B/8260B- Volatile Organics by GC/MS & Oxygenates

			- 1-J B		D	
Sample ID:	<u>UST-7-40'</u>	<u>UST-7-45'</u>	<u>UST-7-50'</u>		Practical Quantitation Limits	<u>Units</u>
Analytes:						
Benzene	ND	ND	ND		5.0	ug/Kg
Bromodichloromethane	ND	ND	ND		5.0	ug/Kg
Bromoform	ND	ND	ND		5.0	ug/Kg
Bromomethane	ND	ND	ND		5.0	ug/Kg
n-Butylbenzene	ND	ND	ND		5.0	ug/Kg
sec-Butylbenzene	ND	ND	ND		5.0	ug/Kg
tert-Butylbenzene	ND	ND	ND -		5.0	ug/Kg
Carbon tetrachloride	ND	ND	ND .		5.0	ug/Kg
Chlorobenzene	ND	ND	ND		5.0	ug/Kg
Chloroethane	ND	ND	ND		5.0	ug/Kg
Chloroform	ND	ND	ND		5.0	ug/Kg
Chloromethane	ND	ND	ND		5.0	ug/Kg
2-Chlorotoluene	ND	ND	ND		5.0	ug/Kg
4-Chlorotoluene	ND	ND	ND		5.0	ug/Kg
Dibromochloromethane	ND	ND	ND		5.0	ug/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND		5.0	ug/Kg
1,2-Dibromoethane (EDB)	ND	ND	ND		5.0	ug/Kg
Dibromomethane	ND	ND	ND		5.0	ug/Kg .
1,2- Dichlorobenzene	ND	ND	ND		5.0	ug/Kg
1,3-Dichlorobenzene	ND	ND	ND		5.0	ug/Kg
1,4-Dichlorobenzenc	ND	ND	ND		5.0	ug/Kg
Dichlorodifluoromethane	ND	ND	ND		5.0	ug/Kg
1,1-Dichloroethane	ND	ND	ND		5.0	ug/Kg
1,2-Dichloroethane	ND	ND	ND		5.0	ug/Kg
1,1-Dichloroethene	ND	ND	ND		5.0	ug/Kg

ND = Not Detected



Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838 (714) 449-9937 • FAX (714) 449-9685

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Client Address: Ninyo & Moore 475 Goddard, Suite 200

Irvine, CA 92618

Report Date: JEL Ref. No.:

12/12/02 B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled:

12/12/02

Project:

Bloomfield Business Center

Date Received: Date Analyzed: 12/12/02

Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Physical State:

12/12/02

Soil

EPA 5035B/8260B- Volatile Organics by GC/MS & Oxygenates

			Oxygenates	and the second s	
Sample ID:	<u>UST-7-40'</u>	<u>UST-7-45'</u>	<u>UST-7-50'</u>	<u>Practical</u> <u>Quantitation</u> Limits	<u>Units</u>
Amalutas					
Analytes: cis-1,2-Dichloroethene	NID	NTD.	NITO		110/V a
-	ND	ND	ND	5.0	ug/Kg
trans-1,2-Dichloroethene	ND	ND	ND	5.0	ug/Kg
1,2-Dichloropropane	ND	ND	ND	5.0	ug/Kg
1,3-Dichloropropane	ND	ND	ND	5.0	ug/Kg
2,2-Dichloropropane	ND	ND	ND	5.0	ug/Kg
1,1-Dichloropropene	ND	ND	ND	5.0	ug/Kg
cis-1,3-Dichloropropene	ND	ND	ND	5.0	ug/Kg
trans-1,3-Dichloropropene	ND	ND	ND	5.0	ug/Kg
Ethylbenzene	ND	ND	ND	5.0	ug/Kg
Hexachlorobutadiene	ND	ND	ND	5.0	ug/Kg
Isopropylbezene	ND	ND	ND	5.0	ug/Kg
4-Isopropyltoluene	ND	ND .	ND	5.0	ug/Kg
Methylene chloride	ND	ND	ND	5.0	ug/Kg
Naphthalene	ND	ND	ND	5.0	ug/Kg
n-Propylbenzene	ND	ND	ND	5.0	ug/Kg
Styrene	ND	ND	ND	5.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	5.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.0	ug/Kg
Tetrachloroethylene	ND	ND	ND	5.0	ug/Kg
Toluene	ND	ND	ND	5.0	ug/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	5.0	ug/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	5.0	ug/Kg
1,1,1-Trichloroethane	ND	ND	ND	5.0	ug/Kg
1,1,2-Trichloroethane	ND	ND	ND	5.0	ug/Kg
Trichloroethylene	ND	ND	ND	5.0	ug/Kg
					~ ~

ND = Not Detected



Testing Laboratories

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Client Address: Ninyo & Moore

475 Goddard, Suite 200

Irvine, CA 92618

Report Date: JEL Ref. No.:

12/12/02 B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled:

12/12/02

Project:

Bloomfield Business Center

Date Received:

12/12/02

Date Analyzed:

12/12/02

Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Physical State:

Soil

Dractical

EPA 5035B/8260B- Volatile Organics by GC/MS & Oxygenates

	5			Practical	
Sample ID:	UST-7-40'	UST-7-45°	UST-7-50'		<u> its</u>
				Limits	
Analytes:					
Trichlorofluoromethane	ND	ND	ND	5.0 ug/l	Kg
1,2,3-Trichloropropane	ND	ND	ND	5.0 ug/l	Kg
1,2,4-Trimethylbenzene	ND ·	ND	ND	5.0 ug/l	Kg
1,3,5-Trimethylbenzene	ND	ND	ND	5.0 ug/l	Kg
Vinyl chloride	ND	ND	ND	5.0 ug/I	Kg
Xylenes	ND	ND	ND	5.0 ug/l	Kg
MTBE	ND	ND	ND	5.0 ug/I	Kg
Ethyl-tert-butylether	ND	ND	ND	5.0 ug/k	Kg
Di-isopropylether	ND	ND	ND	5.0 ug/k	Κg
tert-amylmethylether	ND	ND	ND	5.0 ug/h	Κg
tert-Butylalcohol	ND	ND	ND	5.0 ug/l	Κg
				•	
Dilution Factor	. 1	1	1		
Surrogate Recovery :				o o z tvi	
Dibromofluoromethane	0.497	050/	0.407	QC Limits	
	94%	95%	94%	60 - 140	
Toluene-d ₈	105%	106%	100%	60 - 140	
4-Bromofluorobenzene	102%	101%	106%	60 - 140	

ND

= Not Detected



Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838 (714) 449-9937 • FAX (714) 449-9685

JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client: Client Address: Ninyo & Moore

475 Goddard, Suite 200

Irvine, CA 92618

Report Date: JEL Ref. No.:

12/12/02 B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled:

12/12/02

Project:

Bloomfield Business Center

Date Received:

12/12/02

Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Date Analyzed:

12/12/02

Physical State: Soil

EPA 5035B/8260B- Volatile Organics by GC/MS

Sample Spiked: UST-7-35'

Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)
Benzene	72%	71%	1.3%	60 - 140
Chlorobenzene	88%	93%	4.8%	60 - 140
Toluene	91%	88%	3.5%	60 - 140
Trichloroethylene	88%	92%	4.4%	60 - 140
1,1-Dichloroethylene	84%	76%	9.4%	60 - 140

Method Blank = Not Detected

MS = Matrix Spike

MSD = Matrix Spike Duplicate RPD. = Relative Percent Difference



Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838 (714) 449-9937 • FAX (714) 449-9685

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:

Ninyo & Moore

Client Address:

475 Goddard, Suite 200

Irvine, CA 92618

Report Date: JEL Ref. No.: 12/12/02

B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled:

12/12/02

Bloomfield Business Center

Date Received:

12/12/02

Project: Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Date Analyzed:

12/12/02

Physical State:

Soil

Modified 8015 Diesel (Simulated Distillation Extended Range)

Sample ID Concentration (mg/Kg)

Carbon Chain Range	<u>UST-7-15'</u>	<u>UST-7-20</u>	<u>UST-7-25'</u>	<u>UST-7-30'</u>	<u>UST-7-35'</u>	<u>UST-7-40'</u>
C4-C12 C13-C22 C23-C32	223 166 370	47 53 ND	46 18 ND	ND ND ND	ND ND ND	ND ND ND
Total	760	100	64	ND	ND	ND
Surrogate Recovery % Dilution Factor Practical Quantitation limits	1 10	110% 1 10	110% 1 10	106% 1 10	104% 1 10	101% 1 10

ND = Not Detected



Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838 (714) 449-9937 • FAX (714) 449-9685

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Client Address: Ninyo & Moore

475 Goddard, Suite 200

Irvine, CA 92618

Report Date:

12/12/02

JEL Ref. No.:

B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled:

12/12/02

Project:

Date Received:

12/12/02

Bloomfield Business Center

Date Analyzed:

12/12/02

Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Physical State:

Soil

Modified 8015 Diesel (Simulated Distillation Extended Range)

Sample ID Concentration (mg/Kg)

Carbon Chain Range	<u>UST-7-45'</u>	<u>UST-7-50'</u>
C4-C12 C13-C22 C23-C32	ND ND ND	ND ND ND
Total	ND	ND
Surrogate Recovery % Dilution Factor Practical Quantitation limits	101% 1 10	99% 1 10

ND = Not Detected



Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838 (714) 449-9937 • FAX (714) 449-9685

JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client: Client Address: Ninyo & Moore

475 Goddard, Suite 200

Irvine, CA 92618

Report Date:

12/12/02

JEL Ref. No.:

B-3625

Client Ref. No.:

203571006

Attn:

Paul Roberts

Date Sampled:

12/12/02

Date Received:

12/12/02

Project:

Bloomfield Business Center

Date Analyzed:

12/12/02

Project Address:

S-E Corner of Bloomfield & Lakeland, Santa Fe Springs, CA

Physical State:

Soil

Modified 8015 Diesel (Simulated Distillation Extended Range)

Sample Spiked: W1-8'

Parameter

MS Recovery (%)

MSD Recovery (%)

<u>RPD</u>

Acceptability Range (%)

Diesel

108%

108%

2.5%

65 - 125

Method Blank = Not Detected

MS

= Matrix Spike

MSD

= Matrix Spike Duplicate

RPD

= Relative Percent Difference

ENVIRONMENTAL TESTING LABORATORIES

rton, 838 (714) 449-9937 Fax (714) 449-9685

Chain-of-Custody Record

Project Name Bloomfield Bus Project Address S-E Corner Bloomf South Fe Springs Project Contact	siness (tr. Sold + Likeland	Tura Around I	Requested: diate Attention 24-48 Hours 72-96 Hours al		/::	82 (18) Suma (18)	(K) SOUL (M) WHEN (M)			analysis	Reque	//	Page Lab U Sai as Chi	Project # 3625 of 2 ise Only mple Condition Received: illed yes no aled yes no
Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Sample	/\\\	<u> </u>	/ /				Numbe	Remarks/Special I	nstructions
UST -7- 15"		12/12/02	7:20		5/	XX						1	·	
UST - 7-20-		12/12/02	7;27		5.	XX								
UST-7-25'		12/12/02	7;32		5	XX						-		
UST - 7-30'			7:37		5	$X \mid X$								
UST -7-35'		12/12/02	§		5,	XX						1		
UST -7-401		12/12/02			5	XX								
UST-7-45'		12/12/92	7:5%		5	XX						[
UST -7-50'	:	12/12/02	8:05		5	XX						Ì		
UST-7-55'		12/17/02	8:14		5	XX							HOLD	
UST-7-60'		12/12/0			5	XX						(HOLD	
Relinquished by (sphnature)	ns	Date	Preceived by (si	ignature)	fa		/		Date /2	/12/	102		Total Number of	Containers
Company		Time	Company	JE I	<u>'</u>				Tim	230	 7	1	delivery of samples and to	_
Relinquished by (signature)		Date	• Received by La	aboratory (sign:	ature)				Date			aut abo	horization to perform the a we under the Terms and Co	nalyses specified
Company		Time	Company	······································					Tim	18		fort	h on the back hereof.	

ENVIRONMENTAL
TESTING LABORATORIES

P.O. 887 Fullerton, CA 92838 (714) 449-9937 Fax (714) 449-9685

Chain-of-Custody Record

Project Rame Bloom field Busi Project Address SE Corner Bloom: Santa Fe Spring Project Contact	field + Lakeland	Rush	Requested: ediate Attention 24-48 Hours 72-96 Hours		/:	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60 B " " " " " A"	M STORY	/ / /	/	Ana	alysis	Reque	//	Saulenoon la Remarks/S	JEL Project # B3625 Page 2 of 2 Lab Use Only Sample Condition as Received: Chilled yes no Sealed yes no
Sample ID	Sample Location	Date	Time	Laboratory Sample Number	Samo	/%	/ ४	Ί,	/ ,			/	/	Mumb	/ Remarks/S	Special Instructions
Ust-7-65'		12/12/02	0827		5	X	X							-1	401	-D
UST-7-70'		12/12/02		1	5	X	X							1	HOL	D
UST -7-75'			0842	·	S	X	X					-		Ī	HOL	D
UST -7-80'		12/12/02			3	X	X							ſ	HO	40
														·		
											,					
_									·							
• Relipquished by signature /			PReceived by (si	ignature)		_					Date	12/	02		Total Nu	mber of Containers
Company		Time	Company /	EL							Time	30		The	delivery of sample Chain of Custody	es and the signature on form constitutes
Relinquished by (signature)		Date	Received by Laboratory (signature)					Date			authorization to perform the analyses specified above under the Terms and Conditions set					
Company		Time	Company								Time			iort	h on the back here	:

-Ainyo & Abbre

APPENDIX B

SANTA FE SPRINGS PERMITS



APPLICATION FOR BUILDING PERMIT

	COUNTY OF LOS ANGELES	BUILDING AND SAFETY
The Table	FOR APPLICANT TO FILL IN	BUILDING ADDRESS // DDD 6/0001/10/0
WORKER'S COMPENSATION DECLARATION	11020 Bloomfielz Ave	1020 \$10011171810
I hereby affirm that I have a certificate of consent to self insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C.)	CITY Some Fe Springs ZIP	LOCALITY
Policy No. GPSAIVT71020mpany SI. Comp.	SIZE OF LOT NO. OF BLOGS, NOW ON LOT	NEAREST CROSS ST.
Certified copy is hereby furnished.	TRACT BLOCK LOT NO.	USE ZONE MAP NO.
Certified copy is filed with the county building inspection department. Date Applicant MMO F PORC	ASSESSOR MAP BOOK PAGE PARCEL	SPECIAL CONDITIONS
CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE	OKNER Bloomsiers Partners, LLC 949-756-5959 ADDRESSOZ Barbeen Ave.	WITHIN 1000 FT. OF SCHOOL? YES NO
(This section need not be completed if the permit is for one hundred dollars (\$100) or less.)	1880Z Barbeen Ave. CITY Javine 21992612	DISTRICT GROUP TYPE CONST. FIRE ZONE PROCESSED BY
certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws.	ARCHITECT OR ENGINEER TEL NO.	STATISTICAL CLASSIFICATION APT CONDO
DateApplicant		REQUIRED TOTAL SETBACK FROM EXIST
NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or	CONTRACTOR MOORE 949-753-7070 ADDRESS COLOS 697063	P Line Land State State Land
this permit shall be deemed revoked. LICENSED CONTRACTORS DECLARATION	CITY Trvine LIC. CLASSA	SIDE P L SEWER MAP
I hereby affirm that I am licensed underprovisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.	SQ. FT. SIZE NO. OF STORIES NO. OF FAMILIES DESCRIPTION OF WORK	BK PG VALUATION
License Number 697063 Lic. Class A Contractor Ninyol Moore Date	Remove underground (1) ADD ALTER REPAIR	\$ UEINO
] I am exempt under Sec.	DEMOL &	LDMA P/C # * 16050
B. & P.C. for this reason	UKM LI	LDMA Perm #
Date:	APPLICANT (PRINT) PZ.U. ROBECTS 944-753-7070	a trailing
I, as owner of the property, or my employees with wages as their sole compensation, will do the work and the structure is not intended	475 Goddare Irvine	FINAL DATE 35.63
of offered for sale (Section 7044, Business and Professions Code.)	WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL TO OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS INFORMATION QUIDE?	FINAL BY
 I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Section 7044, Business and Professions Code.) 	YES NO	The second secon
CONSTRUCTION LENDING AGENCY	WILL THE INTENDED USE OF THE BUILDING BY THE APPLICANT OR FUTURE BUILDING OCCUPANT REQUIRE A PERMIT FOR CONSTRUCTION OR MODIFICATION FROM THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAOMD) SEE PERMITTING CHECKUST FOR QUIDELINES.	
I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)	YES NO NO THE HAZARDOUS MATERIALS INFORMATION QUIDE AND THE SCAQMD PERMIT TING CHECKLIST. I UNDERSTAND MY REQUIREMENTS UNDER THE LOS ANGELES COUNTY CODE, TITLE 2. CHAPTER 2.20 SECTIONS 2.20.100 THROUGH 2.20.140 CONCERNING HAZARD OUS MATERIALS REPORTING AND FOR OBTAINING A PERMIT FROM THE SCAQMD.	
Lender's Name		
Lender's Address	THEOR RO REMWO	
I certify that I have read this application and state under penalty of perjury that the above information is correct. I agree to comply with all county ordinances and State laws relating to building construction, and before authorize representations of this County at the contraction.	P.C. FEE PERMIT FEE 37,20 ISSUANCE FEE 02,20	
and hereby authorize representatives of this County to enter upon the above mentioned property for inspection purposes.	INVESTIGATION SEE	

SEE REVERSE FOR EXPLANATORY LANGUAGE

Ci of Santa Fe Sp. gs Fire Depa ent 11300 GREENSTONE AVE • SANTA FE SPRINGS • CA 90670 (562) 944-9713 • FAX (562) 941-1817

	POST ON	JOB SITE	
- Name of Facility Proposes (Noon-	NO STATE OF A	Description	of work"
Project Address 11020 11102 11120 112	and a recommendate with the fact that the first of the first that it is a first of the fi		2014-10-C
Project Contact we Charles Health 19	Telephone (944)		(P. 1)
	Telephone (***)		
PARTICIPATION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PARTICIPATION OF THE PAR			
Address			
CONTRACTOR INFORMATION (if ap	ilicable)		
Contractors A Salva & Market		<u> </u>	38301
Address A15 (2022)	YAZZI ENIOTEI	RECEIVED TO THE RESIDENCE OF THE RESIDEN	
License Class	License Number	紀元公3性Expiration Date がよる	(Floor)
	FIRE INS	PECTION	
NOTE: DO NOT OCCUPY BUIL	DINC DOOMS	ACTIVATE SYSTEMS OR EOUI	PMENT UNTIL
NOIE: DO NOT OCCUPY BUIL	DING; RUUMS, A		
FINAL INSPECTIONS HAVE BE NOTIFY THE SANTA FE SPRINGS FIR	EN MADE.	(562) 944-9713) AT TEAST 24 HOURS	BEFORE THE JOB IS
The state of the s	ATTINIC SOLEACESC	TVEWILLE OWNERS NAME & JUB (ADD)	KESS SANDSTILL OF S
READY FOR INSPECTION WHEN CO INSPECTION REQUIRED IF INSPEC	TION IS NOT REA	DY UPON FIRE INSPECTOR'S ARR	IVAL, YOU MAY BE
CHARGED A REINSPECTION FEE			
A STORY OF STATE OF S			
FIRE PROTECTION DIVISION	DATE INSPECTOR	FIRE PROTECTION DIVISION	DATE
Fire Alarm System		Oil Well Abandonment	· 1880年38 - 2008年38 - 300年38 - 3004000000000000000000000000000000000
Locations		50 Foot Top Plug	
Installation		Welded Plate	
Test		Soil Venting Systems	
Final	145 A	Excavations	
Automatic Sprinkler System	anti-	Aggregate, Barrier, Piping	
U/G Hydro		Trenching	
U/G Flush		Gas Detection System High-Piled Combustible Stock	
O/H Hydro		Racks/Draft Curtains/Hose Racks/Smoke Vents	
Final Con System Took		Dry/Wet Chemical Extinguishing System	WEST STATES
Compressed Gas System Test LPG Tank		Washing the Country of the Country o	经验证的 对自然的对对理
Paint Spray Booth/Electrostatic	第二章程 表现的数据	ENVIRONMENTAL PROTECTION	
Dip Tank	GRADIE SOLDERS OF	BUREAU	DATE INSPECTOR
Dust Collection System	粉糖 构建铁矿	Asbestos Removal	
Standpipe Wet/Dry	建建设 产品等用户	"H" Occupancy	
On-Site Fire Hydrant System	166 3 (39-) SA	Emergency Alarm System	
U/G Hydro		UST & AST (Installation Removal/Modifications)	
Flush		Number of Tanks	11/20/02 /8 VIOL
New Construction Final	THE THE PARTY OF T	Number of a disks	170100 07 200
Drying Ovens (Industrial Baking/drying)			
Tent & Air Supported Structure			
Flow/Powder Coating Equipment			
Tenant Improvement (Structure)			CONTROL CONTROL
Tenant Improvement (Auto Sprinkler)	\$460 RX\$8		
Rough		[1] C.	
Final			
Remarks: 1 - Q C - G-C	USTOVEN	pued + samples	6 In total
	Codo in Ile	MILE AD MODEL	Nov different
6-10 W O D D D D D D D D D D D D D D D D D D			
		en en en en samen en en en en sant en	AND SERVICE SERVICE SERVICE

Ci of Santa Fe Springs Fire Deparment 11300 GREENSTONE AVE • SANTA FE SPRINGS • CA 90670

(562) 944-9713 • FAX (562) 941-1817

	PLAN REVIEW	/ PE	KIVI	II APPLICATION	
	ne of Facility <u>Proposed Bloomfield Rusines</u>	s Cente	18	Description of work	
長					
_	ect Address 11020 11102, 11120, 11246 Bloomfix ect Contact Clerk Newhoff Telephone	(949) 7	56-50	159 removal	
_	nitect/Engineer Telephone (()	7		
	ress	` / -			
TUL	11622				
	NTRACTOR INFORMATION (if applicable)				
	tractor Ninyo & Moore			Telephone (949) <u>753-7070</u>	
_		Δ (12 /al)	<u> </u>		
		Number	697	∞3 Expiration Date 10 / 31 / 04	
			4/1/	<u> </u>	
her	ENSED CONTRACTOR DECLARATION (if apperent and apperent of the property of the	encing with	section	7000) of Division 3 of the Business and Professions Code, and m	ny license is
n ful	Il force and effect:			, ')	
	nature / // // //			Date // 1/5 1002	
. W	NER/BUILDER DECLARATION	information		not. I agree to comply with all city ordinances and state laws rela	ting to
ner Onsi	eby certify that I have read this application and state that the above truction, and bereby authorize representatives of this city to enter u	pon mention	i is come	perty for inspection purposes.	ung to
	nature Faul Roland for Bloomfild Part				
Ş.	latine / C2001/100-27/ 1402 B1 902-4:1/19 6524	KUS LL		Date	
I	FIRE PROTECTION DIVISION	FEE	1	ENVIRONMENTAL PROTECTION DIVISION	FEE
⊦	Preliminary Plan Review	TEE	 '	Preliminary Plan Review (Article 80)	122
_	3 or more Plan Re-Submittal			"H" Occupancy	
_	Fire Alarm System			Emergency Alarm System	 -
-	Fire Extinguishing System (Dry Chem System)		-	Closure Plan/Permit Review	
	Fire Sprinkler Systems			UST & AST (Installation/Removal/Modifications)	16400
	sq. ft. per floor		1	(a. First Tank	707
7	New Construction Plan Review		1	b. Each Additional Tank	
	sq. ft. per floor			Chemical Classification & Occupancy Rating	
	High-Piled Combustible Stock (Racks/Draft			U.F.C./U.B.C. Tables Review	
i	Curtains/Hose Racks/Smoke Vents)			Site Assessment/Mitigation	
L	sq. ft. per floor			Asbestos Removal	
	Underground Fire Mains/Pumps/Tanks			IW Permit Review	
	Tenant Improvements(Structural/Sprinkler)			IW Plan Review	<u> </u>
	Flammable/Combustible Liquid Tank & Piping (UG & AG)			Plan Expedite	
_	LPG Tanks			Other	
	Paint Spray Booths/Dip Tanks				
_	Dust Collection Systems				
	On-site Fire Hydrant System			FIRE SUPPRESSION	
_	Drying Ovens			Stand-by Fire Watch	
	Tents and Air Support Structure	·		Fire Department Equipment w/ Crew	
	Compressed Gas System			Confined Space Back-up Team	
	Carnivals & Fairs				
	Monitoring Wells				
_	Abandonment/Reabandonment of Oil Wells w/capping		\vdash	OTHER	
\dashv	Gas Detection Systems				
_	Soil Venting Systems				
	Plan Expedite				
	Other				
	1				
\angle	10/10/10	1,-10		TOTAL DUE # 4	4.00
/ "	Bylelson 11/	15/02		, , , , , , , , , , , , , , , , , , ,	

DATE

INSPECTOR

City of Santa Fe Springs Fire Department • Certified United Program Agency 11300 Greenstone Avenue Santa Fe Springs, CA 90670 Phone (562) 944-9713 • Fax (562) 941-1817

APPLICATION FOR STORAGE TANK CLOSURE

P				IND 🛮 UNDI	ERGROUNI)				
LOCATION: 11070, 11102, 11120, 11240 Bloomfield Avenue										
LOCATION: 1070;	1102 111	<u> </u>	O BICCA	AIRIE AVENUE						
RESPONSIBLE PARTY II Name Blo	Services S)zrtners					ı			
	Mailing Address 18802 Barden Ave City Irvine State CA Zip 92612									
Contact Perso	n Clark	Neuh	off	Phone	949-756-50	159				
CONTRACTOR OF be provided. List must include Name Nime	ide subcontracto	or name, addre	FOR AS CON	TRACTOR Please indicate b ber, scope of work, and a copy of	y checking appropriate of the contractor's licer State Licens	ise.	Il subcontractors must			
. Address 1			4C 200	City Irvini		State CA	Zip 92618			
Contact Perso	n Paul	Roberts				Phone 94	4-753-7670			
Permanent Permanent Permanent Temporary Monitoring	, tank remov , tank remov , closure in p (see conditi g well aband	al, non-haz al, hazardo place (see co on D attach onment (see	ardous (see ous (see ous (see condondition C at led) condition C at led) condition I	E attached)						
DATE TANK SYSTEM WILL BE CLEANED AND/OR EXCAVATED, OR CLOSED: 11/20/02 INTENDED DISPOSITION OF TANK 11/20/02										
INTENDED DESTINATION	ON OF TANK	SYSTEM (loc	ation name and	laddress): Wilmington S	N S18, Spauls	1. Figsber	Wilnia attur			
COMPLETE THE FOLLO						, , , , , , , , , , , , , , , , , , , 				
TANK ID AUD IDER		1000			1000 07 180 0 Decem	9-6- 9-1 9-1 9-1	Y FIRE DEPT.			
TANK ID NUMBER (use state tank ID# for underground tanks)	TANK MATERIAL	AGE IN YEARS	CAPACITY	LAST MATERIAL STORED/PAST MATERIAL STORED PER CC4R67383.3(D)!	DATE IN INIT	ISP. TIALS	COMMENTS			
77	Steen	Vinkneum	6000	WZS42 011						
Has an unauth Have structura Will new tank How many ta	al repairs eve s be installed	er been mad d after this	le to these ta closure?	nks?	S NC D D USTs_ O					
Notification/Permit Requirer	nents and Cont request. By si	ractor's Decla gnature below	ration, the Noti- you declare yo	stand, and agree to abide by ce to Closure Permit Applicant u are authorized to certify on b	s, and all other conditi	ons and limitation	ns attached. Additional			
Applicant's Signature_	100	U /C	LL.		Da	te 11-15-	02			
Print Name Paul	Roberts				Ph	one 944-7	53-1070			
Title(please check):	☐ Owner		perator 5	Contractor						
	BY GRANT	ED TO PR	OCEED WIT	E SANTA FE SPRINGS I TH THE CLOSURE DES 5 180 DAYS FROM THE D	CRIBED ABOVE		THE ATTACHED			

Neal Welland

CLOSURE PERMIT SAMPLING SUPPLEMENT

Part 1 of 2

The owner or operator of an underground storage tank being closed shall demonstrate to the satisfaction of the Santa Fe Springs Fire Department that no unauthorized release has occurred. This demonstration shall be based on soil sample analysis and/or water analysis. These requirements are in addition to the conditions listed on the Application for Storage Tank Closure or contained in an approved Closure Plan. Additional guidelines regarding soil sampling requirements are available upon request.

- 1. Samples shall be obtained at the sampling points (SP) indicated on the attached plot plan.
- 2. Samples shall be obtained at the depths identified below. *All samples shall be tested by Method 8015 M and 8260 B for all volatile organic compounds (VOC) using preparatory method 5035.
- 3. Refer to Soil Sampling Addendum for Volatile, Semi-Volatile and Extremely Hazardous Materials.

SP	Depth(s)	Compounds	Analysis Method
AF_	2-4' below tank	TPHq	<u>6015</u>
	invert	649T	8015
			8260
	•	Svocs	0558
		PCBS	8082
		Title ZZ metzls	6010/7000
		TPHa	8015
		7PH3	ର୍ଟ୍ର
		VOC	8260
		Svocs	8270
		PCBs	8082
		THE 22 METALL	6010/7000
stockpiled		ame as above	11 t _c
DO CX -	V		

- 3. All soil samples obtained shall be discrete, undisturbed and unexposed prior to analysis. The method used to obtain the samples and the date of sampling shall be included in the final report.
- 4. If groundwater is encountered during sampling, a groundwater monitoring well shall be established at the most down gradient sampling point. The well shall be developed by removing a minimum of four well volumes and a groundwater sample shall be obtained and analyzed.
- 5. The analytical results for all soil samples shall be expressed milligrams per kilogram (mg/kg), or micrograms per kilogram (ug/kg) as appropriate. Practical quantitation limits of 5-10 ug/kg (ppm) for volatile organics and 1 mg/kg (ppm) for the petroleum hydrocarbons must be achieved by the laboratory. Analytical results for groundwater samples shall be expressed in ug/l (ppb) and practical quantitation limits of .5-5 ug/l (ppb) for volatile organics, and 1mg/l (ppm) for petroleum hydrocarbons must be achieved by the laboratory.
- 6. Analytical results shall be reported on laboratory letterhead and shall include the following information: a) The date the analysis was conducted; b) The method of extraction (if applicable); c) Detection limits for each analytical procedure and determination; d) The method of analysis; e) Signature of chemist certifying results.
- 7. All soil/groundwater samples obtained shall be handled and transported to the laboratory in strict accordance with applicable EPA regulations utilizing chain-of-custody procedures. Chain-of-custody documentation shall be included in the final report.
- 8. If the soil/groundwater analysis indicates undefined contamination at the facility, additional sampling shall be required to define the vertical and lateral extent present.
- 9. A final report that contains all of the above required information shall be submitted to the office above within one (1) month from the sampling date or 180 days from the date of this permit, whichever is earlier.

^{*}Note: per Health and Safety Code, §25299.37.1 and Los Angeles Regional Water Quality Control Board

NOTIFICATION/PERMIT REQUIREMENTS AND CONTRACTOR'S DECLARATION

Storage tank work is subject to compliance with all applicable laws and regulations relating to the performance of work including, but not limited to, business license requirements, Building Codes, Fire Codes, Air Quality regulations, Health and Safety Codes, Water Codes and Transportation regulations.

You are required to complete ALL of the agency notifications indicated below within 24 hours prior to the commencement of work on this project. A request for an inspection within 24 hours does not guarantee you will receive the desired inspection appointment time. You may want to schedule appointments in advance of the 24-hour minimum requirement.

24 HOUR NOTIFICATION REQUIRED TO:

- (X) City of Santa Fe Springs Fire Department 11300 Greenstone Avenue Santa Fe Springs, CA 90670 (562) 944-9713 (562) 941-1817 FAX
- (X) City of Santa Fe Springs Building Department 11710 E. Telegraph Road Santa Fe Springs, CA 90670 (562) 868-0511 (562) 868-7112 FAX
- (X) South Coast Air Quality Management District 21865 Copley Drive Diamond Bar, CA 91765 (909) 396-2000

FAILURE TO PROVIDE NOTICE AS REQUIRED ABOVE MAY RESULT IN PERMIT REVOCATION, ADDITIONAL SITE ASSESSMENT REQUIREMENTS, AND/OR ADMINISTRATIVE PENALTIES AS PROVIDE BY LAW.

permit application for installation/removal of personally read the aboveground/underground storage tanks and will follow all the requirements. I declare that the statements and information provided are true and correct. I understand that no work is to begin on the project until the application and plans are approved. I have a City of Santa Fe Springs Business Operators Tax Certificate. I understand that the Santa Fe Springs Fire Department must be contacted at least 24 hours in advance to schedule each required inspection. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that the responsibility is not shared nor assumed by the City of Santa Fe Springs. I understand that a Health and safety Pan shall be prepared before performing any site work and that a copy of that Plan shall be available on the job site. I understand that a late fee will be charged as a result of an inspection not being canceled in a timely manner or a "not ready for inspection" condition existing upon arrival of a Fire Department Inspector. I understand that variations from the approved plans void the approval of the plans.

Х	1 Cu	I Rolan	Date	11-15-02
	•			

signature

STORAGE TANK CLOSURE REQUIREMENTS AND CONDITIONS

permit is required to perform storage tank closure work. No on-site work shall begin until plans have been submitted and approved by Santa Fe Springs Fire Department. The Fire Department must witness parts of the work and an inspection must be scheduled at 24 hours in advance. A fee is also required. Any other governmental agency having jurisdiction must be notified before starting ure work in order to obtain proper clearance, permits, and arrange for required inspections. A copy of the Health and Safety Pland other necessary permits must be obtained and kept available at the site. A tank closure report is required for all aboveground arage tank removals when soil or groundwater sampling is required and all underground storage tank closures that are not temporary. Trequirements for this report are listed under Closure Report Requirements.

CONDITION A

PERMANENT UNDERGROUND AND ABOVE GROUND STORAGE TANK REMOVALS NON-HAZARDOUS METHOD

The Santa Fe Springs Fire Department Inspector shall witness items 10-14.

A minimum of two 2A 40 BC rated fire extinguishers must be on the no further than 75 feet from the tank removal location. The extinguishers must have a current State Fire Marshal's tag attached.

Ill ignition sources must remain at least 50 feet away from the xcavation. No smoking signs shall be posted.

Colored tape, fencing, and/or appropriate barriers shall be used b maintain site security.

All tanks shall be monitored for flammability and oxygen by a monitoring device that has been calibrated within the last six months. A sticker or tag with the last calibration date must be on the unit.

All piping associated with the tank shall be removed and disposed of unless removal might cause damage to other structures or pipes that are being used in a common trench, in which case the piping to be closed. Pipeline abandonment procedures are available at the Fire Department upon request.

All liquids, including rinseate, shall be removed from the tank and connected piping prior to excavation by approved methods. Grounding and bonding procedures shall be followed. Hazardous waste shall be manifested and transported to a fully approved and permitted TSD facility by a Licensed Hazardous Waste Transporter. The fire inspector shall be provided with a copy of the Hazardous Waste Manifest. Associated piping, including vent lines, electrical lines, and in-tank pumps, shall be disconnected from the tank and removed from the ground unless approved by the Chief. Continuous supervision must be maintained during the operations by the contractor named on the permit.

Vapor recovery shall be in accordance with AQMD Rule 1149.

NFPA guidelines shall be followed for the cleaning process. Bonding and grounding shall be in place. No "hot" work is permitted for any tanks that previously contained flammable or combustible materials. A pneumatic cold-cutting tool may be used to cut openings for the cleaning procedures. Use only beryllium or approved non-sparking tools. The lower explosive limit must be below 10% to conduct such work.

Each tank is cleaned on-site, certified by a Certified Marine Chemist, Certified Industrial Hygienist, or Certified Safety Professional as "clean" and vapor free. Tank cleaning shall be timed such that it is completed prior to the arrival of the fire inspector.

- 10. The Certified Marine Chemist, Certified Industrial Hygienist, or Certified Safety Professional must take the lower explosive limit reading in the presence of the fire inspector before adding dry ice to the tank. The monitor must be properly calibrated. The LEL must be 0% for the "clean" certification.
- 11. A minimum of 15 pounds of dry ice per thousand gallons of tank capacity shall be placed into the tank. Dry ice is not required if tanks are immediately cut on-site.
- 12. The certified Marine Chemist or certified Industrial Hygienist shall apply an identification number and date to each tank that corresponds to the "certification". A copy of the signed "clean" closure certification form must be given to the fire inspector before he/she leaves the job site.
- 13. Tanks shall be lifted using a crane unless the contractor, at the time of permit application, can show the inspector that another piece of equipment is acceptable and safe. The tank exterior can only be cleaned with beryllium or non-sparking tools.
- 14. The tank shall be secured on an appropriate vehicle for immediate removal from the premises. The tank(s) shall be transported for material recycling or salvage with their respective certification(s). Demolition of above ground tanks shall be conducted as in the work plan approved by the Santa Fe Springs Fire Department.
- 15. In the event that a Certified Marine Chemist, Certified Industrial Hygienist, or Certified Safety Professional will not certify the tank as clean, the tanks shall be handled as a hazardous waste and be transported under all applicable regulations. See Condition B
- Soil samples shall be taken as listed on the Closure Permit Sampling Supplement form.
- 17. Each tank will be allotted a maximum of one hour for removal, loading, off-site transportation, and soil sampling. Closure periods which exceed this time frame, are subject to the fire inspector's schedule and will be charged at the Fire Department hourly inspection rate.
- 18. The site shall be backfilled and compacted to a relative compaction of 90%.
- 19. All Closure Report Requirements must be submitted to the Fire Department within 30 days from the sampling date or 180 days from the date of the permit, whichever is earlier.

NOTICE TO CLOSURE PERMIT APPLICANTS

The South Coast Air Quality Management District (SCAQMD) has adopted Rule 1166 regulating emissions of Volatile Organic Compounds (VOC) from decontamination of soil effective August 6, 1988.

<u>In addition</u> to the requirements of your Closure Permit, persons excavating any underground storage tank that previously contained VOC's must:

- Notify the SCAQMD Executive Officer by telephone at (310) 403-6000 24 hours prior to tank excavation. 1166 (c) (1) (A)
- Monitor the excavated material during the excavation for VOC contamination. 1166
 (C) (1) (B)
- When VOC contamination is detected:
 - Cease excavation
 - Cover the contaminated soil until implementation of approved mitigation measures. 1166 (c) (1) (C)
 - Notify the SCAQMD Executive Officer at (714) 396-2000 within 24 hours of detection of VOC contaminated soil. 1166 9 (c) (2) (A)
- A person shall not engage in or allow any on-site or off-site spreading of VOC contaminated soil which results in uncontrolled evaporation or VOC to the atmosphere. 1166 (c) (3)

EXEMPTIONS

- Treatment of less than one (1) cubic yard of contaminated soil. 1166 (d) (1) (A)
- Decontamination of soil containing organic compounds that have initial boiling point of 302 ° F or greater, Reid Vapor Pressure less than 80 mm Hg or Absolute Vapor Pressure less than 36 mm Hg at 20 ° C. 1166 (d) (1) (B). (F)
- Removal of soil for sampling purposes pursuant to EPA methods. 1166 (d) (1) (C)
- Accidental spillage of five (5) gallons or less of VOC. 1166 (d) (1) (D)
- Documentation of soil which is contaminated through natural seepage of VOC from oil and gas wells or other natural sources. 166 (d) (1) (E)

SPECIFIC QUESTIONS ON RULE 1166 SHOULD BE REFERRED TO THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AT (909) 396-2000

UNIFIED PROGRAM CONSOLIDATED FORM UNDERGROUND STORAGE TANKS - FACILITY Page (one page per site) ☐ 7.PERMANENTLY CLOSED SITE TI 1. NEW SITE PERMIT 3. RENEWAL PERMIT ☐ 5.CHANGE OF INFORMATION OF ACTION 8. TANK REMOVED 4. AMENDED PERMIT ☐ 6.TEMPORARY SITE CLOSURE one item only) 2. INTERIM PERMIT I. FACILITY / SITE INFORMATION FACILITY ID# NESS NAME (Same as FACILITY NAME or DBA) n 9 field Businell (P. V.) 4. LOCAL AGENCY/DISTRICT FACILITY OWNER TYPE ISINESS SITE ADDRESS 103 5. COUNTY AGENCY* 1. CORPORATION 11102, 11120, 11240 Blocmfield AVE NESS 1. GAS STATION 3. FARM ☐ 6. STATE AGENCY* 2. INDIVIDUAL 5. COMMERCIAL 3. PARTNERSHIP ☐ 2. DISTRIBUTOR ☐ 4. PROCESSOR ☐ 6. OTHER 7. FEDERAL AGENCY 402 "If owner of UST is a public agency: name of supervisor of division, section or L NUMBER OF TANKS Is facility on Indian Reservation or office which operates the UST (This is the contact person for the tank records.) AINING AT SITE trustlands? ☐ Yes ☑ No 406 405 404 II. PROPERTY OWNER INFORMATION PHONE PERTY OWNER NAME 408 Bloom field Partners 944-756-5959 ALLING OR STREET ADDRESS 409 Barbeen ZIP CODE STATE 412 trvine 92612 ☐ 4. LOCAL AGENCY / DISTRICT ☐ 6. STATE AGENCY PERTY OWNER TYPE 1. CORPORATION ☐ 2. INDIVIDUAL ☑ 3. PARTNERSHIP ☐ 5. COUNTY AGENCY 7. FEDERAL AGENCY 413 III. TANK OWNER INFORMATION NK OWNER NAME PHONE 415 949-756-5959 loomfield Partners 415 MAILING OR STREET ADDRESS 8802 Bardein ZIP CODE STATE 419 92612 $\mathcal{N} \setminus \mathcal{N} \setminus \mathcal{N}$ 6. STATE AGENCY 4. LOCAL AGENCY / DISTRICT 1. CORPORATION TANK OWNER TYPE 2. INDIVIDUAL 420 ☑ 3. PARTNERSHIP ☐ 5. COUNTY AGENCY 7. FEDERAL AGENCY IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER TY (TK) HQ 44-Call (916) 322-9669 if questions arise 421 V. PETROLEUM UST FINANCIAL RESPONSIBILITY DICATE 1. SELF-INSURED 10. LOCAL GOV'T MECHANISM METHOD(s) 4. SURETY BOND 7. STATE FUND ■ 8. STATE FUND & CFO LETTER ☐ 99. OTHER: 2. GUARANTEE 5. LETTER OF CREDIT 9. STATE FUND & CD 422 3. INSURANCE ☐ 6. EXEMPTION VI. LEGAL NOTIFICATION AND MAILING ADDRESS heck one box to indicate which address should be used for legal notifications and mailing. 423 2. PROPERTY OWNER egal notifications and mailings will be sent to the tank owner unless box 1 or 2 is checked. ☐ 1. FACILITY 3. TANK OWNER VII. APPLICANT SIGNATURE Certification - I certify that the information provided herein is true and accurate to the best of my knowledge. 425 SIGNATURE OF APPLICANT PHONE 11-15-07 70 426 NAME OF APPLICANT (print) TITLE OF APPLICANT 620109i DISTRICT/INSPECTOR CUPA OFFICIAL USE ONLY DATE RECEIVED PA

STATE UST FACILITY NUMBER

429

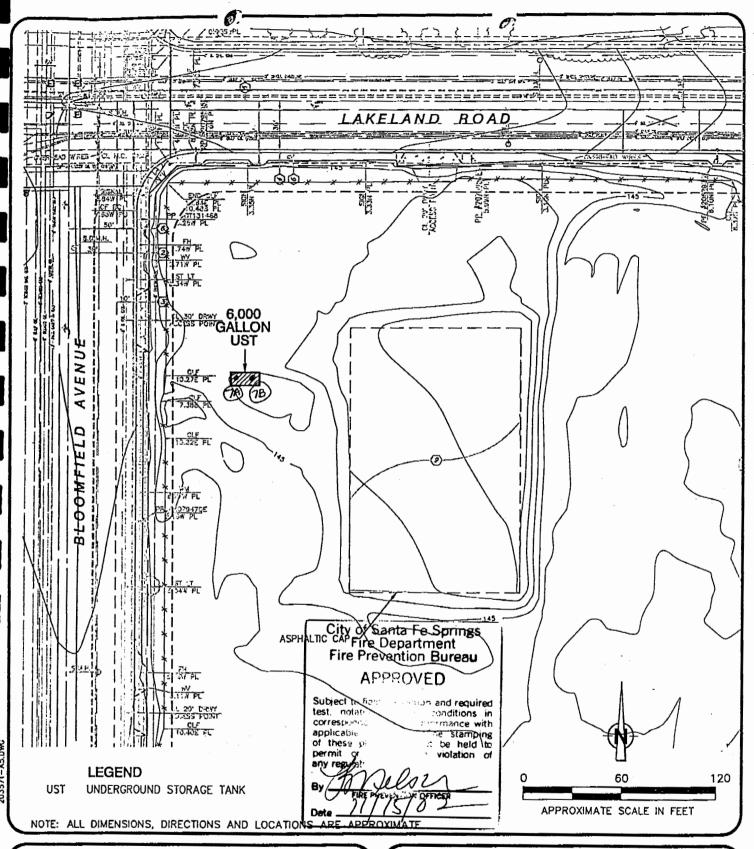
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1993 UPGRADE CERTIFICATE NUMBER

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TANK USE	439	PETROLE													440
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CHEMICAL PRODUCT COMMON NAME (from Hazardous Materials Inventory page)							441		CAS:		us Ma	aterials	Invent	ory page)	442
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							443								
☐ 2. DOUBLE WALL ☐ 4. SIGNLE WALL IN VAULT ☐ 99. OTHER															
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(Check one item only) 2.	STAINLESS ST		STEEL CLAD W			8. FRF	COMPTI	BLE V	V/100%	6 MET	HAN	סר ב] 99.	OTHER	444
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TANK MATERIAL - secondary tank 1. BARE STEEL 3. FIBERGLASS / PLASTIC 5. CONCRETE 95. UNKNOWN ((Check one item only) 2. STAINLESS STEEL 4. STEEL CLAD W/FIBERGLASS 8. FRP COMPTIBLE W/100% METHANOL 99. OTHER 445															
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UNIFIED PROGRAM CONSOLIDATED FORM UNDERGROUND STORAGE TANKS – TANK PAGE 2

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	VI. PIF	ING CONS	TRUCTION (Che	ck all t	hat apply)					Page	of			
U	NDERGROUND	PIPING					ABOVE	GROUND	PIPING					
STEM TYPE 1. PRESS	SURE 2. SUC	TION	☐3. GRAVITY	458	1. PRES	SURE	☐ 2. SU	CTION	☐ 3. GF	AVITY	459			
CONSTRUCTION 1. SINGLE W		ED TRENCH	☐99. OTHER	460	1. SINGL				JNKNOWN		452			
MANUFACTURER 2. DOUBLE V	WALL 🔯 95. UN	IKNOWN			2. DOUB			99. (OTHER					
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PROTECTION 2. STAINLESS STEEL 7. GALVANIZED STEEL					☐2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL									
3. PLASTIC COMPATIBLE V	// CONTENTS		BLE (HDPE)		☐ 3. PLASTIC COMPATIBLE W/CONTENTS ☐ 8. FLEXIBLE (HDPE) ☐ 95. UNKNOW									
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	99. OTHER	CTION (Ch.	-1: -1! 4b-11: 3 64 do	464				99. OTH			465			
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	E WALL PIPING		456	-	ABOVEGROUND PIPING SINGLE WALL PIPING 467									
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2. MONTHLY 0.2 GPH TEST					2. MONTHLY	0.2 GPH T	EST			•				
3. ANNUAL INTEGRITY TES	T (0.1GPH)			☐ 3. ANNUAL INTEGRITY TEST (0.1GPH) ☐ 4. DAILY VISUAL CHECK										
CONVENTIONAL SUCTION SYS	•			CO	NVENTIONAL	SUCTION	SYSTEM	S (Check all th	at apply)					
5. DAILY VISUAL MONITORII INTEGRITY TEST (0.1 GP		SYSTEM + TR	RIENNIAL PIPING	5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM										
					☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)									
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7. SELF MONITORING				-	7. SELF MONITORING									
GRAVITY FLOW				1	GRAVITY FLOW (Check all that apply):									
9. BIENNIAL INTEGRITY TES	🗆8	□8. DAILY VISUAL MONITORING □9. BIENNIAL INTEGRITY TEST (0.1 GPH)												
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□ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION □ C. NO AUTO PUMP SHUT OFF				☐ b AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION ☐ NO AUTO PUMP SHUT OFF										
11. AUTOMATIC LEAK DETECTOR (3.0 GPH TEST) WITHFLOW SHUT OFF				☐ 11. AUTOMATIC LEAK DETECTOR										
12. ANNUAL INTEGRITY TEST (0.1 GPH)				☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)										
SUCTION/GRAVITY SYSTEM				SUCTION/GRAVITY SYSTEM										
☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS				☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS										
EMERGENCY GENERATORS ONLY (Check all that apply) 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF AUDIBLE AND VISUAL ALARMS				EMERGENCY GENERATORS ONLY (Check all that apply) 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS										
15. AUTOMATIC LEAK DETE		<u>NITHO</u> UT FLO	OW SHUT OFF	01	5. AUTOMAT				GPH TEST	-				
☐ 16. ANNUAL INTEGRITY TES		_	ISUAL CHECK	1	6. ANNUAL IN					, Y VISUAL C	HECK			
			VIII. DISPENSE											
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DATE INSTALLED 468	2. CONTINUO	US DISPENS	ER PAN SENSOR	+ AUDI	BLE AND VIS	UAL ALAF	RMS	☐ 5. TRE	NCH LINE	R/MONITO	RING			
☐ 3. CONTINUOUS DISPENSER PAN SENSOR W DISPENSER + AUDIBLE AND VISUAL ALARM					RMS LJ 6. NONE 463									
IX. OWNER/OPERATOR SIGNATURE														
I certify that the information provided he		ate to the best of	my knowledge.	T = :							470			
SIGNATURE OF OWNER/OPER		D L	110	DAT	1 .	· ^ ~					470			
NAME OF OWNER/OPRATOR (print)				TITI	TITLE OF OWNER/OPERATOR 472									
Paul Roberts	······································			'''	Ccnsitz	n-t -	Sc G	cloa: 14						
					~~~~		·							
OFFICIAL USE ONLY	Permit Numb	er	473 P	ermit.	Approved		474	Permit E	xpiration (	Date	475			



_*Ninyo & M*oore_

## UNDERGROUND STORAGE TANK LOCATION

PROPOSED BLOOMFIELD BUSINESS CENTER 11020, 11102, 11120 & 11240 BLOOMFIELD AVENUE SANTA FE SPRINGS, CALIFORNIA

PROJECT NO.	DATE
203571006	11/2002

FIGURE

City of Santa Fe Springs Fire Department 11300 GREENSTONE AVE • SANTA FE SPRINGS • CA 90670 (562) 944-9713 • FAX (562) 941-1817

PLAN R	EVIEW /	PERMIT	APPLIC	CATION

				II APPLICATION	
Nan	ne of Facility <u>Bloomfield Business Ce</u>	wer		Description of work	
_	iect Address 11020 Bloomfield			UST site assessment	-
	ject Contact Paul Roberts Telephone	949)7	52-7	070	
-	hitect/Engineer Telephone (	(	<u> </u>		
	iress 475 Goddard, Stc 200,	1/1/11/0	(n)	92619	
Ado	110 COCHAIN A J SPC NO,	1000	_91	-12018	
co	NTRACTOR INFORMATION (if applicable)				
	ntractor			Telephone ( )	
Add	lress				
Lice	ense Class License i	Number		Expiration Date / /	
	CENSED CONTRACTOR DECLARATION (if ap				
I here	eby affirm that I am licensed under provisions of Chapter 9 (comm	encing with	section '	7000) of Division 3 of the Business and Professions Code, and n	ny license is
	Il force and effect.			Data / /	
_	nature			Date/ /	
	/NER/BUILDER DECLARATION  cby certify that I have read this application and state that the above	information	is corre	ct. I serve to comply with all city ordinances and state laws rela	ting to
	truction, and hereby authorize representatives of this city to enter u				10
Sign	nature			Date / /	
1	FIRE PROTECTION DIVISION	FEE	1	ENVIRONMENTAL PROTECTION DIVISION	FEE
	Preliminary Plan Review		<u> </u>	Preliminary Plan Review (Article 80)	
	3 or more Plan Re-Submittal			"H" Occupancy	
	Fire Alarm System			Emergency Alarm System	
	Fire Extinguishing System (Dry Chem System)			Closure Plan/Permit Review	
	Fire Sprinkler Systems		i	UST & AST (Installation/Removal/Modifications)	
	sq. ft. per floor			a. First Tank	
	New Construction Plan Review			b. Each Additional Tank	
	sq. ft. per floor			Chemical Classification & Occupancy Rating	
	High-Piled Combustible Stock (Racks/Draft			U.F.C./U.B.C. Tables Review	11000
	Curtains/Hose Racks/Smoke Vents)			Site Assessment/Mitigation(UST)	4200
	sq. ft. per floor Underground Fire Mains/Pumps/Tanks			Asbestos Removal IW Permit Review	<del></del>
	Tenant Improvements(Structural/Sprinkler)	····	<del> </del>	IW Plan Review	ļ
	Flammable/Combustible Liquid Tank & Piping (UG & AG)			Plan Expedite	
	LPG Tanks			Other	<del></del>
	Paint Spray Booths/Dip Tanks				
	Dust Collection Systems				
	On-site Fire Hydrant System		V	FIRE SUPPRESSION	
	Drying Ovens		<u> </u>	Stand-by Fire Watch	
	Tents and Air Support Structure			Fire Department Equipment w/ Crew	
	Compressed Gas System			Confined Space Back-up Team	
	Carnivals & Fairs			Contined Space Dack-up Team	
					<del>   </del>
$\vdash$	Monitoring Wells			OMNER	
-	Abandonment/Reabandonment of Oil Wells w/capping			OTHER	
	Gas Detection Systems				
	Soil Venting Systems				
	Plan Expedite				
	Other				
	Pag 1	<u> </u>		TOTAL DUE # 4	2000
TA	MODAN 12/11	107	_ 1	AGIAL DOE 4 14.	

MAKE CHECKS PAYABLE TO THE CITY OF SANTA FE SPRINGS

DATE

INSPECTOR

December 6, 2002 Project No. 203571006

Ms. Brenda Nelson Santa Fe Springs Fire Department 11300 Greenstone Avenue Santa Fe Springs, California 90670

Subject:

Work Plan to Conduct a Subsurface Investigation

6,000-Gallon Underground Storage Tank

Proposed Bloomfield Business Center Property 11020, 11102, 11120, and 11240 Bloomfield Avenue

Santa Fe Springs, California

City of Santa Fe Springs Fire Department Fire Prevention Bureau **APPROVED** 

Subject to field inspection and required test, notations hereon, conditions in correspondence and conformance with applicable regulations. The stamping of these plans shall not be held to permit or approve the violation of erry regulation or law.

*

A Allenuation factor

Will be determined using LARWOLD 1996 Appendix A for 60:80 zone

Dear Ms. Nelson:

This work plan presents the scope of work and estimated schedule to conduct a subsurface investigation adjacent to the recently removed 6,000-gallon underground storage tank (UST) that was encountered during grading activities, as shown on Figure 1, at the proposed Bloomfield Business Center property in Santa Fe Springs, California (site).

The subject UST was removed from the site on November 20, 2002 under the direction of the Santa Fe Springs Fire Department (SFSFD). Field observations indicated that petroleum hydrocarbon-impacted soil was noted beneath the former UST location. Based on this information, Ninyo & Moore excavated the visually stained soil to a depth of approximately 13 feet below final grade (Figures 2 and 3). Some of the wet materials encountered directly beneath the UST were placed in the roll-off bins. The remaining excavated soil was stockpiled on and covered with visqueen plastic. Following excavation activities, stained soil remained at depths of approximately 8 feet below final grade along the northern, eastern, and western walls of the excavation and on the floor of the excavation. No stained or odorous soil was encountered along the southern wall. Confirmation soil samples were collected from the floor (designated 7A and 7B) and walls (designated 7C through 7F) of the excavation (Figures 2 and 3). One soil sample was also collected from the roll-off bins (designated B1) and from the excavated stockpiled soil

(designated SP1). Prior to commencement of the work described herein, the excavated soil will be removed from the site and the excavation will be backfilled.

#### SUMMARY OF LABORATORY RESULTS

The following summarizes the laboratory results of the confirmation samples collected from the UST excavation and proposed scope of work to further assess the local surface conditions.

#### **PCBs** and Metals

As noted on Table 1, laboratory results of the confirmation samples indicated no detectable to low concentrations of PCBs (below the industrial Preliminary Remediation Goals [PRGs]). Metals were reported at concentrations below ten times the Soluble Threshold Limit Concentration (STLC). Except for arsenic and possibly chromium, the concentrations of metals also were below the industrial PRGs. Arsenic was detected at concentrations ranging from 7.4 to 11 milligrams per kilogram (mg/kg) and total chromium was detected at concentrations ranging from 17 to 31 mg/kg. Arsenic and chromium are naturally occurring metals.

The cancer endpoint PRG for arsenic on industrial land is 1.6 mg/kg. Because the natural occurring concentrations of arsenic in California typically exceed the Federal PRG levels, Ninyo & Moore compared these levels with published background concentrations. According to Kearney Foundation of Soil Science (Kearney, 1996), background concentrations of arsenic in California ranges from approximately 0.59 to 11 mg/kg. Other publications are available documenting metal concentrations in soil throughout the western United States which indicate concentrations of naturally occurring arsenic ranging from less than 0.1 to 40 mg/kg (Dragun, 1988) and less than 0.1 to 97 mg/kg (Shacklette & Boerngen, 1984). Based on this information, the arsenic concentrations would not be considered elevated.

At the request of the SFSFD, the confirmation samples were analyzed for hexavalent chromium to assess the percentage of Chromium III and Chromium VI. Laboratory results indicated no detected concentrations of hexavalent chromium, and therefore, the concentrations previously detected would be considered low based on the PRG for Chromium III (i.e., 10,000 mg/kg).

#### Petroleum Hydrocarbons

The concentrations of gasoline range hydrocarbons, diesel range hydrocarbons, and heavy petroleum hydrocarbons were slightly above the Regional Water Quality Control Board, Los Angeles Region (RWQCB) Interim Guideline (RWQCB, 1996), which is sometimes used as a guide for cleanup standards. However, the concentrations of these constituents were well below petroleum hydrocarbon concentrations that have been previously left in-place at the site and closed by the Department of Toxic Substances Control (DTSC) and RWQCB. The concentrations of petroleum hydrocarbons and VOCs that have been left in-place per the approval of the RWQCB and DTSC are presented on the bottom of Table 1.

#### Volatile Organic Compounds and Semi-Volatile Organic Compounds

Laboratory results of VOCs indicated detectable concentrations of selected constituents. As presented on Table 1, only four confirmation samples indicated concentrations of VOCs slightly exceeding the industrial PRGs or Soil Screening Levels (SSLs, Dilution Attenuation Factor [DAF₂₀]). The constituents detected included 1,1,1-trichloroethane (1,1,1-TCA), ethylbenzene, and trichloroethene (TCE).

Laboratory results of semi-volatile organic compounds (SVOCs) indicated no detectable to low concentrations. Low concentrations of 2-methylnapthalene and naphthalene were detected in some of the confirmation samples (Table 1). The concentrations of naphthalene were well below the PRG and SSL. Although there are no regulatory standards or guidelines for 2-methylnapthalene, the concentrations detected are assumed to be associated with the heavy petroleum hydrocarbons and would not pose an environmental or health risk.

#### Proposed Scope of Work

In general, the concentrations of potentially impacted soil remaining in-place beneath the former UST would be considered low. As stated above, the concentrations of PCBs, SVOCs, and metals are so low they would not be considered a further concern. Although the concentrations of petroleum hydrocarbons and selected VOCs are slightly above default regulatory guidelines, it is

our opinion, given the history of the site and the concentrations that are already in place at the site, these concentrations would not be considered of further concern.

There are no set cleanup standards for petroleum hydrocarbons in soil. The RWQCB has issued a guidance document which outlines the cleanup goals of 500 mg/kg for gasoline, 1,000 mg/kg for diesel fuel, and 10,000 mg/kg for heavy petroleum hydrocarbons. These cleanup goals are used as points of departure by the RWQCB, and as shown on Table 1, are often modified on a case-by-case basis. As an example, the RWQCB and DTSC have closed this site with full knowledge of higher concentrations of petroleum hydrocarbons remaining in soils at the site (Table 1).

To address the SFSFD concerns regarding the concentrations of petroleum hydrocarbons and selected VOCs remaining near the former UST, Ninyo & Moore is proposing to drill one soil boring to further assess the vertical extent of affected soil. Based on the laboratory results, two scenarios could evolve:

- A twenty-foot zone of "clean" soil is shown to exist beneath the former UST. If this occurs, groundwater is not threatened and the SFSFD will issue site closure with no further work needed.
- 2) Twenty feet of "clean" soil is not found beneath the former UST, within the vadose zone. At this point, further negotiations will be requested with the SFSFD.

#### Definition of "Clean" Soil

For purposes of this boring, "clean" soil will be defined as soil containing concentrations of gasoline at less than 500 mg/kg, and heavy petroleum hydrocarbons less than 10,000 mg/kg, as stated by the RWQCB guidelines. Because diesel fuel has been left in-place at concentrations up to 12,000 mg/kg in the area of the Powerine Section (this sample was collected immediately above groundwater at approximately 100 feet), and under the direction of the DTSC at concentrations up to 23,000 mg/kg throughout the remaining portion of the site, Ninyo & Moore is requesting that the "clean" concentration of diesel fuel be defined as concentrations less than 12,000 mg/kg. It is our judgment that this concentration would be considered reasonable, based

on the depth to groundwater, the regional groundwater issues, the close proximity of the Powerine Refinery, and the previous sampling results.

In addition, "clean" soil will be further defined as containing concentrations of VOCs less than their respective PRGs or SSLs, whichever is lowest. The SSLs are EPA risk-based guidelines that take into account natural attenuation that reduces contaminant concentrations over time. These concentrations are similar to the RWQCB guidelines that also use attenuation factors to calculate cleanup guidelines. The twenty-foot "clean" zone will be defined as four consecutive samples with concentrations equal to or less than the concentrations stated above.

Although these concentrations are our goal, if slightly higher concentrations are detected at depth, Ninyo & Moore will meet with the SFSFD to determine the appropriate action. These discussions may include no further action, additional soil borings, excavation of some affected soil, and/or completion of a risk assessment.

#### **OBJECTIVE**

The objective of the subsurface investigation is to assess the vertical extent of the petroleum hydrocarbon and VOC-affected soil beneath the former UST.

#### **SCOPE OF SERVICES**

The following scope of work is presented to meet the objective:

• Subsurface Investigation and Laboratory Analyses – Following authorization of this work plan by the SFSFD, Ninyo & Moore will advance one soil boring to a depth of up to 80 feet below the ground surface (bgs). Soil samples will be collected at depths of approximately 5-foot depth intervals beginning at approximately 15 feet bgs (immediately below the former UST excavation) and continuing to the bottom of the boring or until 20-feet of "clean" soil is encountered, whichever occurs first. Soil samples will be screened in the field using a photoionization detector (PID). Soil samples will be analyzed by a State-certified mobile laboratory for extended range total petroleum hydrocarbons C₆-C₃₂ and VOCs in general accordance with EPA Method Nos. 8015 (modified) and 8260. The soil samples will be collected in accordance with EPA Method No. 5035. Because the site is being graded, soil cutting generated during the drilling activities will be left on-site (up to approximately 1 cubic yard). The soil boring will be backfilled with bentonite grout.

Closure Report – A closure report will be prepared documenting the removal of the UST and the findings of the investigation presented herein. The report will be submitted to the SFSFD for review.

#### SCHEDULE

The SFSFD will be notified approximately 48 hours prior to commencement of field activities. The work described herein will be completed in approximately two weeks.

If you have any questions or comments regarding this work plan, please contact me at your convenience.

Sincerely,

NINYO & MOORE

Paul A. Roberts, R.G., R.E.A. I/II Senior Environmental Geologist



#### PAR/ldw

Attachments: Table 1 – Summary of Laboratory Results from Underground Storage Tank

Figure 1 - Underground Storage Tank Location

Figure 2 – Sample Location Map Figure 3 - Cross Section A-A' Attachment A - Field Procedures

Distribution: (1) Addressee

- (1) Mr. Tom Hall, Santa Fe Springs Fire Department
- (1) Pam Andes, Esq., Allen Matkins Leck Gamble & Mallory LLP
- (1) Mr. Peter Rooney, Bloomfield Partners, LLC
- (1) Mr. Clark Neuhoff, Bloomfield Partners, LLC
- (1) Mr. Dave Henry, Hazard Management Consulting, Inc.
- (1) Mr. Phil Fitzwater, Iris Environmental
- (1) Mr. Dwight Marriman, RREEF
- (1) Mr. Larry Cummins, RREEF

#### REFERENCES

- Dragun, J., 1988, The Soil Chemistry of Hazardous Materials, Hazardous Materials Control Research Institute, Silver Spring, Maryland.
- Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, 1996, Background Concentrations of Trace and major Elements in California Soils, dated March.
- Shacklette, H.T. and Boerngen, J.G., 1984, Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States, United States Geological Society Professional Paper 1270.
- Regional Water Quality Control Board, Los Angeles Region (RWQCB), 1996, Interim Site Assessment & Cleanup Guidebook, dated May.

Table 1 - Summary of Laboratory Results from Underground Storage Tank Removal

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1		1 1					ļ										OCs (n	ng/kg)											SVOCs	(mg/kg)	1	ç,	. 1	
Samp'e No.	Location	Depth (ft.)	TPHg C4-C12 (mg/kg)	ТРНძ С13-С22 (тg/kg)	ТРН С23-С32 (тg жg)	PCB (mg/kg)	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,3,5-Trimethylbenzene	4-Chlarotoluene	4-isopropytoluene	Benzene	Chlorobenzene	cis-1,2-DCE	Ethylbenzene	Isopropylbenzene	Xylenes	n-butylbenzene	n-propylbenzene	Naphthalene	sec-Butylbenzene	Tolvene	TCE	PCE	Vinyl Chloride	2-Methylnapthalene	Naphthalene	Title 22 Metals (mg/kg)	Hexavalent Chromium (mg/kg)	WET-Lead (mg/L)	TCLP-Lead (mg/L)
7.A	Eastern floor of the excavation	13	1,200	7,000	9,500	ND	8.8	1.1	0.0053	45	0.32	14	ND	0.17	0.029	ND	0.084	21	5.5	114	0.17	8.5	14	0.13	16	0.057	ND	ND	19	7	<10xSTLC	ND	NA	NA
78	Western floor of the excavation	13	1,100	7,200	8,200	0.13	11	1.3	0.0051	25	ND	0.35	ND	0.064	0.038	0.032	0.089	19	0.18	98	0.084	0.25	0.38	0.053	31	0.045	ND	ND	21	ND	<10xSTLC	ND	NA	NA
70	Northern wall of the excavation	10	1,100	5,400	5,200	0.068	12	1.2	0.013	32	ND	11	NO	0.29	0.061	ND	0.18	13	4.1	84	0.25	6,3	12	0.19	15	0.17	ND	ND	23	9.2	<10xSTLC	ΝD	NA .	NA
70	Eastern wall of the excavation	10	960	7,600	12,000	0.030	7	0.88	0.0060	18	ND	6.9	0.063	0,14	0.036	0.12	0.13	24	0.31	167	0.15	0.40	6.7	0.1	28	0.057	ND	ND	17	ND	<10xSTLC	ND	NA	NA
76	Southern wall of excavation	10	790	4,900	5,500	ND	1.4	0.15	ND	20	0.20	7.1	ND	0.11	0.0070	ND	0.024	6.6	0.22	40	0.11	0.27	6.7	0.076	0.16	0.023	ND	ND	18	מא	<10xSTLC	ND	NA	NA
76	Western wall of excavation	10	МD	ND	ND	ND	0.022	0.019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	מא	0.0075	ND	ND	ND	ND	ND	<10xSTLC	ND	, NA	NA
В1	Excavaled soil in bin	NA	600	7,600	11,000	ND	8	2.1	0.0092	17	10	0.36	ND	0.029	0.030	ND	0.33	0.20	ND	21.6	0.047	0.098	0.098	ND	5.5	0.018	ND	0.064	ND	ND	Lead -150	NA	0.93	ND
SP	Excavated sod in stockpile	NA	360	4,000	4,000	0.099	1	0.16	ND	11	ND	0.43	0.042	0.080	0.012	0.012	0.18	2.7	0.13	16.3	0.11	0.23	0.41	ND	3.3	0.037	3	ND	11	ND	<10xSTLC	NA	NA	NA
-CI	ean* Soil Criteria		500	12,000	10,000		2.0	23	0.04	170	17	70			0.03	1.0	0.4	13	520	210	240	240	84	220	12	0,06	0.06	0.75		84				
Ind	ustrial PRGs					0.74	1,200	1,700		170		70			1.3	530	150	20	520	420	240	240	190	220	520	0.11	3.4	0.75		190				
Soi	Screening Levels-DAF	20					2.0	23	0.04	1	17				0.03	1.0	0.4	13		210			84		12	0.06	0.06			84				
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_	OCB NFA Concentration	ะกร	949	12,000	4,270													***	·															<u></u>
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Industrial PRG - Industrial Preliminary Remedial Goal.

TPHg - Total Petroleum Hydrocarbons as gasoline analyzed in accordance with EPA Method No. 8015 (modified).

TPHd - Total Petroleum Hydrocarbons as diesel analyzed in accordance with EPA Method No. 8015 (modified).

TPH - Total Petroleum Hydrocarbons as heavy petroleum hydrocarbons range analyzed in accordance with EPA Method No. 8015 (modified).

PCB - Polychlorinated Biphenyls analyzed in accordance with EPA Method No. 8082 (Aroclor 1242 was the detected analyte).

VOCs - Volatile Organic Compounds analyzed in accordance with EPA Method No. 8260B plus oxygenates.

SVOCs - Serri-Volatile Organic Compounds analyzed in accordance with EPA Method No. 8270C.

Tille 22 Metals analyzed in accordance with EPA Method No. 6010B/7000 series. Hexavalent Chromium analyzed in accordance with EPA Method No. 7196A.

WET - Waste Extraction Test

STLC - Soluble Threshold Limit Concentration

TCLP - Toxicity Characteristic Leaching Procedure

DTSC - Department of Toxic Substances Control

RWQCB - Regional Water Quality Control Board, Los Angeles Region

DAF₂₀ - Dilution Attenuation Factor

NFA - No further action required.

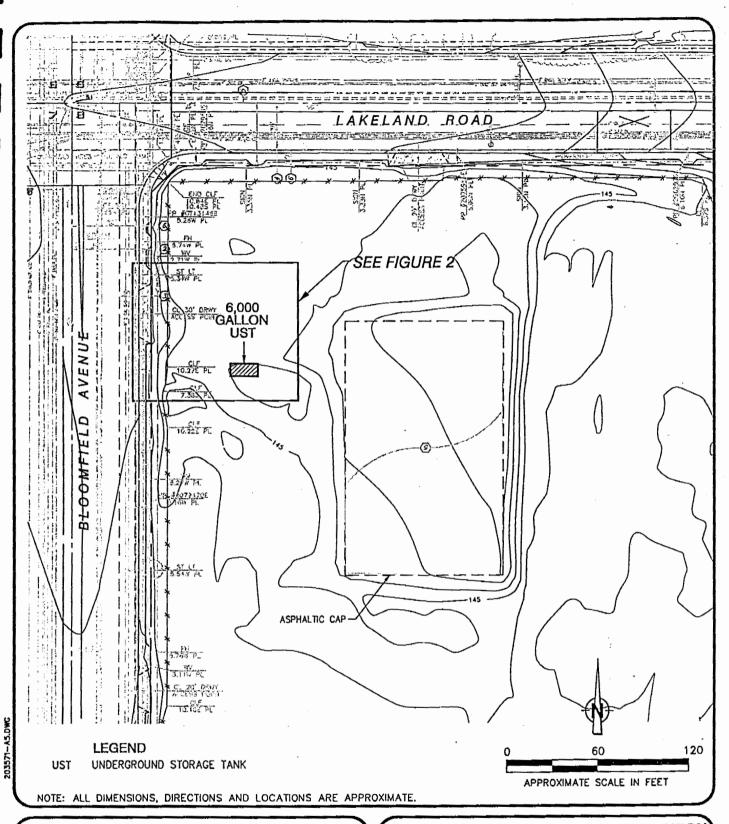
ft. - feet

mg/kg - milligrams/kilograms

mg/L - milligrams/Liter

ND - Not Detected

NA - Not Analyzed



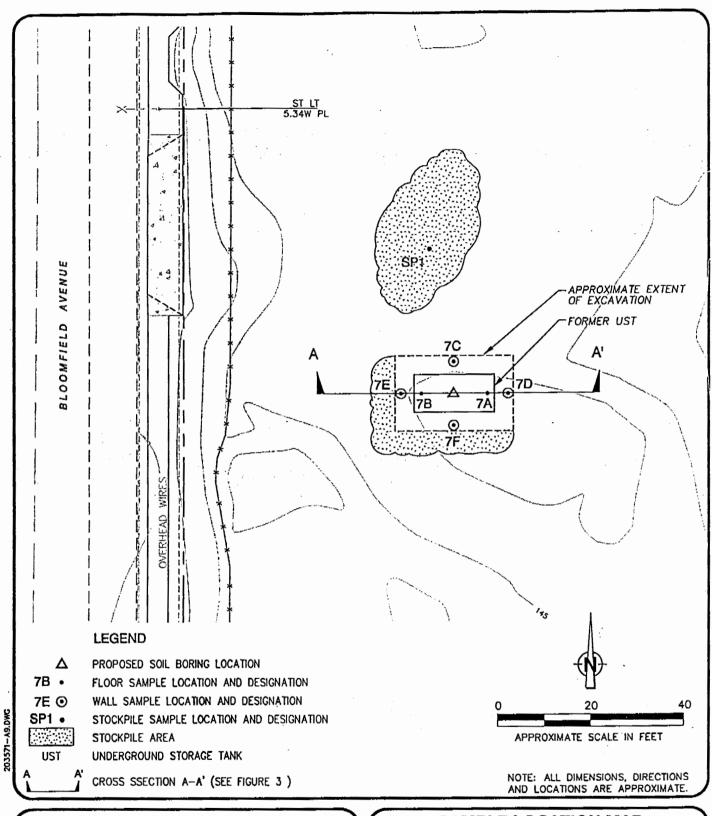
_*Ninyo & M*oore_

#### UNDERGROUND STORAGE TANK LOCATION

PROPOSED BLOOMFIELD BUSINESS CENTER 11020, 11102, 11120 & 11240 BLOOMFIELD AVENUE SANTA FE SPRINGS, CALIFORNIA

PROJECT NO.	DATE
203571006	11/2002

FIGURE



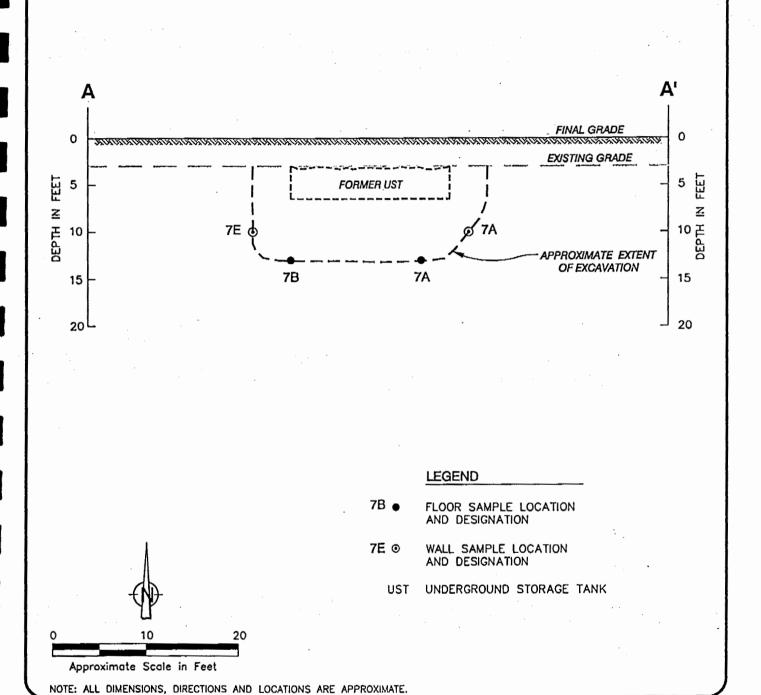
# .*Ninyo* & Moore_

## SAMPLE LOCATION MAP

PROPOSED BLOOMFIELD BUSINESS CENTER 11020, 11102, 11120 & 11240 BLOOMFIELD AVENUE SANTA FE SPRINGS, CALIFORNIA

PROJECT NO.	DATE
203571006	12/2002

FIGURE 2



_*Ninyo&*Moore_

## **CROSS SECTION A-A'**

PROPOSED BLOOMFIELD BUSINESS CENTER 11020, 11102, 11120, AND 11240 BLOOMFIELD AVE. SANTA FE SPRINGS, CALIFORNIA

PROJECT NO.	DATE	
203571006	11/2002	

FIGURE 3

## ATTACHMENT A

FIELD PROCEDURES

#### FIELD PROCEDURES

#### A.1 Drilling and Soil Sampling Procedures

- 1. The boring will be drilled using a truck-mounted drill rig equipped with a nominal 6-inch hollow-stem auger. Drilling services will be provided by a State-licensed drilling contractor.
- 2. The augers will be steam-cleaned prior to the drilling.
- 3. Soil cuttings from the drilling operation will be left on-site.
- 4. Soil descriptions, in general accordance with the Unified Soil Classification System, sample type and depth, and related drilling information, will be recorded on a boring log under the supervision of a State-Registered Geologist from Ninyo & Moore.
- 5. Soil samples will be collected using a split-barrel modified California sampler at approximately 5 feet below the ground surface (bgs) and at approximately 5-foot depth intervals thereafter, and continuing to the bottom of the boring or at significant changes in lithology.
- 6. The sampler will be washed between sampling intervals, using a bristle brush, with an Alconox solution (an inorganic detergent); followed by two tapwater rinses. The sampler will be dried by air or with a paper towel prior to being used for sampling.
- 7. Soil samples will be collected (at each sample interval) in three 6-inch-long brass sampling rings inside the sampler. Prior to initiation of the field program, the sample rings will be washed, rinsed, and dried using the procedures described in Item 6.
- 8. The sampler will be driven using a 140-pound hammer (approximate weight) dropping approximately 30 inches. The number of blows (blow count) required to advance the sampler 18 inches will be recorded on the boring log.
- 9. Following retrieval of the sampler, the first 6-inch ring from the shoe of the sampler will be removed from the sampler, its ends will be covered with Teflon tape, capped with polyethylene end caps, and will be retained for possible chemical analyses.
- 10. Soil in the second 6-inch ring from the shoe will be used to describe the soil lithology and to measure volatile organic compounds using a photoionization detector (PID). The PID will be calibrated to hexane on the day of field activities. A small amount of soil will be placed in a zip-lock type bag, agitated, and set aside for approximately 15 to 30 minutes to allow organic vapors, if present, to accumulate in the void space (headspace) of the bag. The PID will be used to "sniff" the headspace. The measurements will be subsequently documented on the boring log and will be used in consideration for possible groundwater sampling.

11. The boring will be backfilled with bentonite grout.

## A.2 Sample Handling

- 1. The samples retained for chemical analyses will be placed in zip-lock bags and stored in an ice chest cooled, using ice, to a temperature of approximately 40 degrees Fahrenheit.
- 2. The samples will be delivered to and analyzed by a State-certified mobile environmental laboratory immediately following collection. Sample handling and delivery to the laboratory will be documented using chain-of-custody procedures, including the use of chain-of-custody forms.



## APPENDIX C

## PHOTOGRAPHIC DOCUMENTATION



Photograph No. 1: View of underground storage tank (UST) during initial stages of cleaning facing southeast.



Photograph No. 2: View of interior contents of UST prior to cleaning.



Photograph No. 3: View of UST being cleaned facing east.



Photograph No. 4: View of UST being cleaned facing southwest.

357)-6ph 2



Photograph No. 5: View of pipe openings on eastern end of tank facing west.



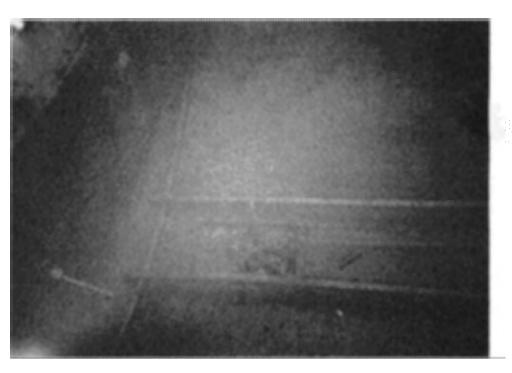
Photograph No. 6: View of UST bottom facing northwest.



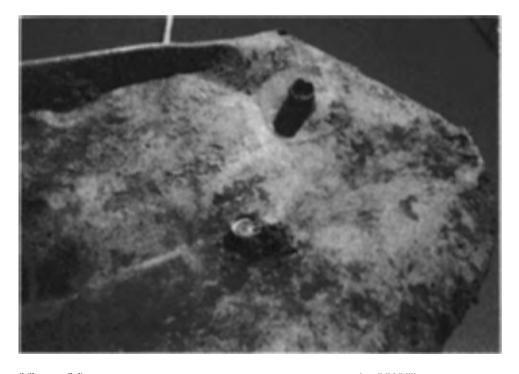
Photograph No. 7: View of UST footing for a truck bed.



Photograph No. 8: Exterior view of opening on eastern end of UST.



Photograph No. 9: Interior view of opening and former heating coils on eastern end of UST.



Photograph No. 10: View of former temperature gauge on western end of UST.



Photograph No. 11: View of UST being removed facing north.



Photograph No. 12: View of UST being removed facing west.



Photograph No. 13: View of stained soil beneath UST facing west.



Photograph No. 14: View of stockpile of excavated soil facing northwest.



## APPENDIX D

#### WASTE MANIFESTS

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	Ancon Marine					D. Treese			01/6
L	7. Transporter 2 Company Name		O A D 9 8 0	<u> </u>	0 8 8	E. State 7	ransporter's ID (Re:	10)952- rerved.)	-8100
	7. Transporter 2 Company Nume	,	, , , , , , ,			1	orter's Phone		
-	9, Designated Facility Name and Site Address		D. US EPA ID Numbe	<u>,                                    </u>			Facility's ID		NT
	Crosby & Overton		. 20 (17) - 1 121112			L_Y	MODE	840	901191
	1630 W. 17th St.	. /	DIALDIOLDI	SI AI OLO	u (): 1:	H, Facilii		62)432·	-5445
ŀ	Long Beach, CA.		C A D O 2	0 4 0 9	12. C	ontainers	13. Total	14, Unit	1
-	11. US DOT Description (including Proper Ship	ping Name, Hozard Class	s, and ID Number;		No.	Туре	Quantity	Wt/Val	1. Waste Number
	<b>a</b> ,								134 EPA/Other
	Non-RCRA Hazardous 1	Waste Liquid	, N.O.S.	`.	0 1	TT	01412190	G	
	b.								State
					1 . 1		1111		EPA/Other
-	c.				1		<del> </del>	<del> </del>	State
									EPA/Other
-								-	State
	d.								
									EPA/Other
	A. Additional Descriptions for Materials Listed	Above		1.75	3	K, Hand	ling Codes for Was	les Listed Abo	ove
				19.4					
						<u>.                                    </u>	· · · · · · · · · · · · · · · · · · ·	سسوا	
						c.			
	15. Special Handling Instructions and Addition	val Information			Vi.	c.	e:11020 F	3lomfie	eld &Lakel
	Use proper safety P	PE ·			Visit I	sit	ce:11020 F Santa F		eld &Lakel
	. •	PE ·	hr Emerger	acy#888-	-423 <b>-</b> 6	sit	Santa F	e Spri	
	Use proper safety P. American Integrated	PE Services 24				sit	Santa Frofile# 20	e Spri 0554	ngs,CA.
	Use proper safety P	PE Services 24	of this consignment or	e fully and acc	urately des	sit	Santa Frofile# 20	e Spri	ngs, CA.
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	Use proper safety P. American Integrated  16. GENERATOR'S CERTIFICATION: I heraby marked, and labeled, and are in all respectively generator, I certificated the procedure of th	PE Services 24 declare that the contents of the in proper condition for y that I have a program acticable method of treat	of this consignment are retransport by highwa in place to reduce the ment, storage, or dis	e fully and acc ay according to spotal currently	urately deso a applicable taxicity of y available	sit	Santa F  rofile# 20 by proper thipping of and national gav  orald to the degree minimizes the pray	554  name and an remment regulations and future	ngs, CA.  e classified, packet plations.
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	Use proper safety P. American Integrated  16. GENERATOR'S CERTIFICATION: I hereby marked, and labeled, and are in all respective for any in all respective for any in a large quantity generator, I certificate and the environment; OR, if I am a small available to me and that I can afford.  Printed/Typed Name  Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt	Services 24  declare that the contents of the in proper condition for y that I have a program acticable method of treat quantity generator, I have	of this consignment are transport by highway in place to reduce the ment, storage, or dise made a good faith	e fully and acc ay according to spotal currently	urately deso a applicable taxicity of y available	sit	Santa F  rofile# 20 by proper thipping of and national gav  orald to the degree minimizes the pray	7e Spri 0554 name and ar ernment regu I have determ ent and futur est waste ma	e classified, packet planting.  In the control of the economic particles to human inagement method on the control of the contr
	Use proper safety P. American Integrated  16. GENERATOR'S CERTIFICATION: I hereby marked, and labeled, and are in all respectively generator, I certificate and the environment; OR, if I am a small available to me and that I can afford.  Printed/Typed Name	declare that the contents of the in proper condition for the in proper condition for the interest of the inter	of this consignment are transport by highwi in place to reduce the ment, storage, or dis e made a good faith	e fully and acc ay according to spotal currently	urately deso a applicable taxicity of y available	sit	Santa F  rofile# 20 by proper thipping of and national gav  orald to the degree minimizes the pray	56 Spri	e classified, packet playing.  In the control of the economic
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	Use proper safety P. American Integrated  16. GENERATOR'S CERTIFICATION: I hereby marked, and labeled, and are in all respect to the procedure of that I have selected the prond the environment; OR, if I am a small available to me and that I can afford.  Printed/Typed Name  Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt Printed/Typed Name	DE Services 24  declare that the contents of the in proper condition for y that I have a program acticable method of treat quantity generator, I have been selected for Materials  and Z. tof Materials	of this consignment are transport by highway to place to reduce the ment, storage, or dise made a good faith  Signature  Signature	e fully and according to the volume and appeal currently affort to minit	toxicity of toxicity of povallable mize my w	sit	Santa F  rofile# 20 by proper thipping of and national gav  orald to the degree minimizes the pray	7e Spri 0554  name and ar rernment regul I have determ ent and futur est waste ma	e classified, packet ulations.  Ings, CA.  The classified packet ulations.  In packet to be economic threat to human nagement method  In packet ulation packet ulation packet ulations.  In packet ulation packet ulatio
	Use proper safety P. American Integrated  16. GENERATOR'S CERTIFICATION: I hereby marked, and labeled, and are in all respectively generator, I certificated the procedure of that I have selected the prond the environment; OR, if I am a small available to me and that I can afford.  Printed/Typed Name  17. Transporter I Acknowledgement of Receipt Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt Printed/Typed Name  19. Discrepancy Indication Space	DE Services 24  declare that the contents of the in proper condition for y that I have a program acticable method of treat quantity generator, I have been selected for Materials  and Z. tof Materials	of this consignment are transport by highwrite place to reduce the ment, storage, or dise made a good faith  Signature  Signature  Signature	e fully and according to the volume and appeal currently affort to minit	toxicity of toxicity of povallable mize my w	sit	Santa F  rofile# 20 by proper thipping of and national gav  orald to the degree minimizes the pray	name and an ernment regulation of the second	e classified, packet ulations.  Ings, CA.  I

2680 Seminole Avenue • Lynwood, California 90262 (323) 357-1900 • Fax (323) 357-1909 • (800) 401-4988

				2. Manifest Docume	ni No.	
NON-HAZARDOUS WASTE MANIFEST	1. Generator's US E	PAID NO.			00007	
. Generator's Name and Meiling Address			.4, Site Address			
Bloomfield Partners LLC			So	utheast Corr	er of	
				keland & Blo		
18802 Bardeen Ave.				nta Fe Sprin		•
Irvine, CA 92612		<i>:</i>	. Sa	ma re opini	gs, un	
Generator's Phone No. 949-756	6-595 <del>9</del>					
Transporter 1 Company Name A-IS S	04	. US EPA ID Number .	<u> </u>	7. Transporter's Ph	one No.	
_				3	23-249-84	42 -
American Integrated Serv						1 444
Designated Facility Name and Site Address		9. US EPA ID Number		10. Facility's Phone	I NO.	
American Remedial Technolog 2680 Seminole Avenue Lynwood, California 90262	gies, Inc.	CAL0001	31034	(32	3) 357-190	0
11. Waste Shipping Name and Description						1
		• .		Containers	Total Quantity	Unit Wt. / Vol.
•				No. Type	Quarmity	771.7 401,
	*******					· · · · · · · · · · · · · · · · · · ·
Non-Hazardous waste, solid. Soil contaminated with hydrod	carbons.					
2. Special Handling Instructions and Additional Information	ation				APU 2	ALC:
Wear appropriate P.P.E.			Mark Carlot			
•	•			SERVICE STATE		
Wear gloves and goggles.	•				Araka da sas	2072
Is the soil subject to 1166 monit	toring?			. 7615	2002254	3
is the son applear to 1 too mount	corning;					
_			THE WATER STATE OF THE PERSON	MARINE SHAPE AT LINE LAND CO.		
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_	ket					
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Weight Tick  Weight Tick  Weight Tick  Weight Tick  Weight Tick  Printed / Typed Name  Rechard Stevenson For Brook  14. Transporter 1 Acknowledgement of Receipt of Mate	AFIECD PARTIN	ps, LLC.	naturé			Day Year
Weight Tick  For Brown  A. Transporter 1 Acknowledgement of Receipt of Mate	AFIECD PARTIN	ps, LLC.	nature LLZ		Month  12  Month	Day Year Day Year
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ORIGINAL-RETURN TO GENERATOR

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## AMERICAN REMEDIAL TECHNOLOGIES

		,	<u> </u>	A Landing Description	ni ki-	
NON-HAZARDOUS WASTE MANIFEST	1. Generator's US	EPA ID No.		2. Marifest Docume	00006	
3. Generator's Name and Mailing Address			4. Site Address			
Bloomfield Partners LLC 18802 Bardeen Ave. Irvine, CA 92612			La	utheast Corr keland & Blo inta Fe Sprin	omfield	· .
Generator's Phone No. 949-756	5-5959					
5. Transporter 1 Company Name		6. US EPA ID Number		7. Transporter's Ph	one No.	
11572	•			1 2	23-249-84	A)
American Integrated Serv  8. Designated Facility Name and Site Address	ices	9. US EPA ID Number		10. Facility's Phone		7.2
_		A. OS ELYID Maniper				:
American Remedial Technolog 2680 Seminole Avenue Lynwood, California 90262	jies, Inc.	CAL0001	31034	(32	3) 357-190	0
11. Waste Shipping Name and Description				Containers	Total Quantity	Unit Wt. / Val.
				No. Type		
Non-Hazardous waste, solid. Soil contaminated with hydroc						
12. Special Handling Instructions and Additional Informs	ation				Company of the second	opyle
Wear appropriate P.P.E. Wear gloves and goggles.	·	·				
Is the soil subject to 1166 monit	oring?	·.			2002251	3
Weight Tick	et		F1 (4.2)			
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Printed / Typed Name	entre elegant de la		nature		Month	Day Year
RICHARD STEVENSON FOR BLOOMFILL  14. Transporter 1 Acknowledgement of Receipt of Mate		s, LIC	1219	ter_		06 02
Printed / Typed Name	, s`	Sig	mature	,	Month	Day Yeer
	190EZ		de	ll-	15	06 00
15. Discrepancy indication Space						
			:			
16. Facility Owner or Operator. Certification of receipt of	of waste materials o	covered by this manifest ex	cept as noted in Ite	m 15.		
	·				· · · · · · · · · · · · · · · · · · ·	
Printed / Typed Name	247	Sig	nature	2	Month	Day Year
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ORIGINAL RETURN TO GENERATOR

REMEDIAL TECHNOLOGIES

2680 Seminole Avenue • Lynwood, California 90262 (323) 357-1900 • Fax (323) 357-1909 • (800) 401-4988

)	1. Generator's US	EDA ID No		2. Manifest Docume	ent No.	
NON-HAZARDOUS WASTE MANIFEST	1. Generators US	CPAID NO.			00008	
3. Generator's Name and Mailing Address			4. Site Address			
,			80	utheast Cor	ner of	
Bloomfield Partners LLC				keland & Blo		
18802 Bardeen Ave.						
Irvine, CA 92612			Sa	nta Fe Sprir	igs, CA	
Generator's Phone No. 949-75	6-595 <del>9</del>					
5. Transporter 1 Company Name		6. US EPA ID Number		7. Transporter's Pr	none No.	
s. transponer i Company Neme		0. 00			•	
American Integrated Sen	/ices		*	3	323-249-84	42
B. Designated Facility Name and Site Address	1000	9. US EPA ID Number		10. Pacility's Phon	e No.	
' •	nian Inc		•			
American Remedial Technolog 2680 Seminole Avenue Lynwood, California 90262	gies, inc.	CALOGO	31034	(3)	23) 357-190	0
						·
11. Waste Shipping Name and Description				Containers No. Type	Total Quantity	Unit Wt. / Vol.
A STATE OF THE STA				140. Type		
Non-Hazardous waste, solid.						
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Soil contaminated with hydro	carbons.					1
12. Special Handling instructions and Additional Inform	etion		THE STATE OF STATE OF	THE LEWIS CO.	Aut 3	
15. Abarra Landa Mallande and Doctorio Highlia	4,011					
Wear appropriate P.P.E.				9-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		Y XXX
Wear gloves and goggles.						
wear gioves and goggies.	•				DECEMBER 1	
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Printed / Typed Name	and the operation and a second of the second	The state of the s	nature	A CONTRACTOR OF THE PARTY OF TH	Month	Day Year
RIGHTO STRIBLEDN FOR BLOOM	FIED PART	WERS, LLC	19	<u>e</u>	_ 12	00 02
<ol> <li>Transporter 1 Acknowledgement of Receipt of Mate</li> </ol>	rials					
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5. Discrepancy Indication Space			11			
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S Feelin Ourse of Constitution Continue	-111			- 12		
6. Facility Owner or Operator: Certification of receipt	or waste waterials (	covered by this manifest ex	cept as noted in itel	π 15		
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Printed / Typed Name						
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AMERICAN REMEDIAL TECHNOLOGIES

2680 Seminole Avenue • Lynwood, California 90262 (323) 357-1900 • Fax (323) 357-1909 • (800) 401-4988

	1. Generator's L	IS EDA ID No		2. Manifest Docume	int No.	
NON-HAZARDOUS WASTE MANIFEST	). Generators C	A EPAID IW.			00009	
Generator's Name and Meiling Address			4. Site Address		_	
Bloomfield Partners LLC				outheast Corr		
18802 Bardeen Ave.		•		keland & Blo		
Irvine, CA 92612			Sa	anta Fe Sprin	igs, CA	
			· ·	•		•
Generator's Phone No. 949-756	8-5959					
Transporter 1 Company Name		6. US EPA ID Number		7. Transporter's Ph	ione No.	
M-16-7 American Integrated Serv	ilces	•		3	323-249-84	42
Designated Facility Name and Site Address	1000	9. US EPA ID Number		10. Facility's Phon	e No.	
American Remedial Technolog	ries Inc					
2680 Seminole Avenue	\$163, XIIV.	CALOOOI	131034	(3:	23) 357-190	0 ·
Lynwood, California 90262						•
. Waste Shipping Name and Description					Total	Unit
				Containers	Quantity	WI, / Vol.
and the same of th				No. Type		
Non-Hazardous waste, solid.				1		l
Soil contaminated with hydrod	carbons.			1		ł
Special Handling Instructions and Additional Information	ation			prove TRO .	AHTU	obskie.
Wear appropriate P.P.E.	•					
Wear gloves and goggles.				-80 244		
5 - 20					<b>41.</b> 72.55	ST ST
Is the soil subject to 1166 monit	oring?			3 <b>33 3 3</b> 5	2007251	<b>3</b> -30-4-1-4-7
□ YES □ NO						
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nted / Typed Name		Sig	MATANCES PARTITION		Month	Day Ya
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Inted / Typed Name  CHARD STEVENSON FOR BLOOM  Transporter 1 Aoknowledgement of Receipt of Mate	AFIELD PAR	TNETS LLC	inature		Month	Day Ye
Inted / Typed Name  CHARD STEVENSON FOR BLOCK  Transporter 1 Acknowledgement of Receipt of Materinted Lityped Name	AFIELD Par	TNETS LLC	inature .		Month 12	Day Ye
Transporter 1 Aoknowledgement of Receipt of Material Control of Name  New Property of Na	AFIELD Par	TNETS LLC	inature		Month 12	Day Ye
Transporter 1 Aoknowledgement of Receipt of Material Control of Name  New Property of Na	AFIELD Par	TNETS LLC	inature		Month 12	Day Ye
Transporter 1 Acknowledgement of Receipt of Material Control of Name	AFIELD Par	TNETS LLC	inature		Month 12	Day Ye
Transporter 1 Acknowledgement of Receipt of Material Control of Name	AFIELD Par	TNETS LLC	inature		Month 12	Day Ye
Transporter 1 Acknowledgement of Receipt of Material Pyped Name  Note: Transporter 1 Acknowledgement of Receipt of Material Pyped Name  Discrepancy Indication Space	AFIELD PAR erals	SIGNERS LLC	mature mature		Month 12	Day Ye
Transporter 1 Acknowledgement of Receipt of Material Page 1 Name  Receipt Name  Roding Space	AFIELD PAR erals	SIGNERS LLC	mature mature		Month 12	Day Ye
Transporter 1 Acknowledgement of Receipt of Materials Name  No. Transporter 1 Acknowledgement of Receipt of Materials Discrepancy Indication Space  Facility Owner or Operator: Certification of receipt	AFIELD PAR erals	SIGNERS LLC	mature mature		Month 12	Day Ye
inted / Typed Name  CHAPP STEUDISON FOR BLOCK  Transporter 1 Acknowledgement of Receipt of Materinted Pyped Name	AFIELD PAR erals	Sign Sign Sign Sign Sign Sign Sign Sign	mature mature		Month 12	Day Ya
med / Typed Name  CHARD STEUDISON FOR BLOG.  Transporter 1 Acknowledgement of Receipt of Materials (Pyped Name  Charles Control of Pace (Pyped Name)  Discrepancy Indication Space	AFIELD PAR erals	Sign Sign Sign Sign Sign Sign Sign Sign	inature		Month 12 Month	Day Ya

azardous Waste H C. # 180977 MC 275191									HIPPING ORI Nd FREIGHT I		
ICK TRAILER 127 VAN NORMAN ROAD •					sal Service, Inc. MONTEBELLO, CALIFORNIA 90640 FAX (323) 724-5092			76390			
OB AULER MARIER						TRUCK TYPE MANIFEST NO.					
STOMER AMESICAN INHEGRATEDIS-						DESTINATION					
GIN SA-7-	10 fe E	Spinz	<u>.</u>		CITY	ORESS A-	P. 7.	CA:	77		
SAMP CE SPINES							AAN &				
ERIAL		LOADING		UNLOADING		ADING	FUEL		MIL FINISH:	EAGE.	
WEIGHT	CUBIC YARDS	TIME ARRIVE	TIME LEAVE	TIME ARRIV	E	TIME LEAVE		GAL.	START:		
	25-10	810 Nm	8:50 A-1	925	-		COMMENTS	UP-7	120 120	Bine	
	25.40	1020 Mm					- KOH - KIA	SHOIT	10		
			,				•				
RY TIME FINISH TIME							responsibility for a ALL BILLS DUE 11/2% PER MONTH	all overload citations AND PAYABLE WIT I WILL BE ADDED	and fines. THIN 10 DAYS, A S TO ALL OVER DUE	ERVICE CHARGE OF	
7.00 NED X /2	Am V						RESPONSIBLE F	OR ALL COURT C	OSTS, INCLUDING	STOMER WILL BE ATTORNEY'S FEES.	
		ar and a second			· · · · ·					e e se se se se se e e e	

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#### AMERICAN REMEDIAL TECHNOLOGIES

#### EIGHMASTER CERTIFICATE

Product:

WET IN:

1IS IS TO CERTIFY that the following described commodity was sighed, measured, or counted by a weighmaster, whose signature is on is certificate, who is a recognized authority of accuracy, as prescribed Chapter 7 (commencing with section 12700) of Division 5 of the difformia Business and Professions Code, administered by the Division of sesurement Standards of the California Department of Food and Priculture

Carrier: 0257 AMERICAN INTEGRATED

Customer: Ø257 AMERICAN INTEGRATED SERVI

Truck: AIS504 Trailer: 504T

• •

Øİ

SOIL-LITD TREAT

Gross: 75,840 LBS Sc1#1

Tare: 32,240 LBS Stored

Net: 43,500 LBS = 21.80 Tons
Driver ignature

.

Weighmaster

Manifesta

Ticket No. : 054773

Time ins

Time out:

Date: 12/02/02

ወወወወን

Scale: Sci#1

signature

9:23

3:24

To my knowledge nothing has liken added nor has soll been tampered with since loading into truck for delivery to Facility.

- 2680 SEMINOLE AVENUE, LYNWOOD, CA 90262 TEL. (323) 357-1900 (600) 401-4988 FAX (323) 357-1909

Job: 20022513

#### AMERICAN REMEDIAL TECHNOLOGIES

#### IGHMASTER CERTIFICATE

IS IS TO CERTIFY that the following described commodity was sighed, measured, or counted by a weighmaster, whose signature is on as certificate, who is a recognized authority of accuracy, as prescribed Chapter 7 (commencing with section 12700) of Division 5 of the liffornia Business and Professions Code, administered by the Division of easurement Standards of the California Department of Food and efficulture.

Carrier: 0257 AMERIC

0257 AMERICAN INTEGRATED

Customer:

0257 AMERICAN INTEGRATED SERVI

Trucks

METE

Trailer: 2T

.Product:

Ø1 SOIL-LTTD TREAT

Job: 20022513

Manifest: 00

DUDONOSE.

Date: 12/06/02

Scale: Scili

9:41

9:50

Ticket No.: 054774

Time ins

Time out:

WGT IN:

Grosst 64,500 LBS

Sc1#1

Tare: 29,220 LBS

Scl#1

Net: 35,280 LBS = 17.54 Tens

Driver-signature

Weighmaster signature

To my knowledge nothing has been added nor has soil been tempered with since loading-info truck for delivery to Facility.

2680 SEMINOLE AVENUE, LYNWOOD, CA 90262 TEL. (323) 357-1900 (800) 401-4988 FAX (323) 357-1909

Product:

IS IS TO CERTIFY that the following described commodity was sighed, measured, or counted by a weighmaster, whose signature is on certificate, who is a recognized authority of accuracy, as prescribed Chapter 7 (commencing with section 12700) of Division 5 of the filternia Business and Professions Code, administered by the Division of segurement Standards of the California Department of Food and

riculture. Carríers 0257 AMERICAN INTEGRATED

Customer: Ø257 AMERICAN INTEGRATED SERVI

Truck: AIS504 Trailer: 504T

SOIL-LITD TREAT WGT IN:

Gross: 81,760 LBS Sc1#1

> Tare: 32,240 LBS Stored

Net: 49,520 LBS 24.75 Tons

Driver

To my knowledge nothing has been added nor has sell been tempered with since loading into truck for delivery to Facility. 2680 SEMINOLE AVENUE, LYNWOOD, CA 90262 TEL. (323) 357-1900 (800) 401-4988 FAX (323) 357-1909

Job: 20022513

Ticket No.: 054775

Date: 18/06/02 .

Time in: 10:47 Time outs 10:47

Scale: Scitt

Manifest: 02008

#### AMERICAN REMEDIAL TECHNOLOGIES

#### EIGHMASTER CERTIFICATE

HIS IS TO CERTIFY that the following described commodity was eighed, measured, or counted by a weighmaster, whose signature is on its certificate, who is a recognized authority of accuracy, as prescribed y Chapter 7 (commencing with section 12700) of Division 5 of the althornia Business and Professions Code, administered by the Division of leasurement Standards of the California Department of Food and oriculture.

Carriers

MEST AMERICAN INTEGRATED

Customer:

W257 AMERICAN INTEGRATED SERVI

Truck:

STAM

Trailer: 2T

Product:

01 SOIL-LTTD TREAT

Job: 20022513

Manifest: 000003

Ticket No.: 054781

Time in: 11:41

Scale: Sci#1

Time outs 11:41

Date: 12/06/02

WGT IN:

Grose: 64,780 LBS

Scitt!

Tare: 29,220 LBS

Man Wt

Net: 35,560 LBS = 17.78 Tons

Driver Adanature

Weighmasbernsignature

To my knowledge nothing has been added nor has soil been tampered with since loading into truck for delivery to Facility.

2680 SEMINOLE AVENUE, LYNWOOD, CA 90262 TEL. (323) 357-1900 (800) 401-4988 FAX (323) 357-1909



### APPENDIX E

TANK CERTIFICATE

## APPENDIX F

CERTIFICATE OF TANK DESTRUCTION

## WILMINGTON EQUIPMENT SALES, INC.

821 SIGSBEE WILMINGTON, CA. 90744 TEL: (\$62) 437-1285 (562) 436-8545

## CERTIFICATE OF DESTRUCTION

DATE: January 3, 2003

To American Intergrated Services. Inc. 2680 Seminole Ave. Lynwood CA 90262

REFERENCE: One (1) Underground TANK. 6,000 pallons.

ORIGIN: Lake Land properties Bloom Field No Santa fe Springs.

TO WHOM IT MAY CONCERN:

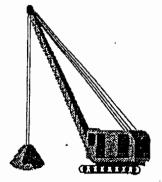
This is to certify that we have properly disposed of the above mentioned items.

THANK YOU.

volundation equipment sales inc

821 N. Sinsbeo St. Wilmington, CA SG744





- Ainyo & Ascre

## APPENDIX G

**COMPACTION REPORT** 



# **Field Observation Memo**

10641 HUMBOLT STREET LOS ALAMITOS, CALIFORNIA 90720 PHONE 562.799.9469 • FAX 562.799.9459

Project Saves Regis	Date 12/6/62
Address 11020 Bloomfield and	Project Number 9867-02
Sorta de Springs CA	·
Observation and Jesting of back	fill maturely at think
Excumition oren facuted at the next	h west corner of
development no nature Bottom w	
materials were left in placed and	•
of fill had wells of 90% a	
:	
1/-15-	
Accepted by	NorCal Representative
	W(Qwis
	•



#### APPENDIX H

#### FIELD PROCEDURES

#### **Drilling and Soil Sampling Procedures**

- 1. The boring was drilled using a truck-mounted drill rig equipped with a nominal 6-inch hollow-stem auger. Drilling services will be provided by a State-licensed drilling contractor.
- 2. The augers were steam-cleaned prior to the drilling.
- 3. Soil cuttings from the drilling operation were left on-site.
- 4. Soil descriptions, in general accordance with the Unified Soil Classification System, sample type and depth, and related drilling information, was recorded on a boring log under the supervision of a State-Registered Geologist from Ninyo & Moore.
- 5. Soil samples were collected using a split-barrel modified California sampler at approximately 5 feet below the ground surface (bgs) and at approximately 5-foot depth intervals thereafter, beginning at approximately 15 feet bgs and continuing to the bottom of the boring.
- 6. The sampler was washed between sampling intervals, using a bristle brush, with an Alconox solution (an inorganic detergent); followed by two tapwater rinses. The sampler was dried by air or with a paper towel prior to being used for sampling.
- 7. Soil samples were collected (at each sample interval) in three 6-inch-long brass sampling rings inside the sampler. Prior to initiation of the field program, the sample rings were washed, rinsed, and dried using the procedures described in Item 6.
- 8. The sampler was driven using a 140-pound hammer (approximate weight) dropping approximately 30 inches. The number of blows (blow count) required to advance the sampler 18 inches were recorded on the boring log.
- 9. Following retrieval of the sampler, the first 6-inch ring from the shoe of the sampler was removed from the sampler, its ends were covered with Teflon tape, capped with polyethylene end caps, and was retained for possible chemical analyses.
- 10. Soil in the second 6-inch ring from the shoe was used to describe the soil lithology. A photoionization detector (PID) was planned to be used to screen soil samples in the field, although, the PID malfunctioned.
- 11. The boring was backfilled with bentonite grout.

#### Sample Handling

- 1. The samples retained for chemical analyses were placed in zip-lock bags and stored in a refrigerator to a temperature of approximately 40 degrees Fahrenheit.
- The samples were delivered to and analyzed by a State-certified mobile environmental laboratory immediately following collection in accordance with EPA Method No. 5035. Sample handling and delivery to the laboratory was documented using chain-of-custody procedures, including the use of chain-of-custody forms.



APPENDIX I

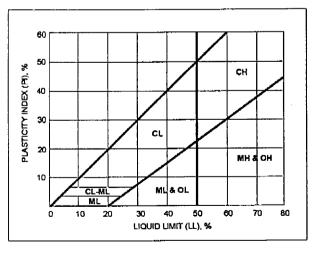
**BORING LOG** 

	U.S.C.S. METHOD OF SOIL CLASSIFICATION												
MA	JOR DIVISIONS	SYMBOL	TYPICAL NAMES										
		GW	Well graded gravels or gravel-sand mixtures little or no fines										
ILS I	GRAVELS (More than 1/2 of coarse	GP	Poorly graded gravels or gravel-sand mixtures, little or no fines										
COARSE-GRAINED SOILS (More than 1/2 of soil >No. 200 sieve size)	fraction > No. 4 sieve size)	GM	Silty gravels, gravel-sand-silt mixtures										
AINI In 1/2 sieve		GC	Clayey gravels, gravel-sand-clay mixtures										
ARSE-GR More the		sw	Well graded sands or gravelly sands, little or no fines										
OAR (M	SANDS (More than 1/2 of coarse	SP	Poorly graded sands or gravelly sands, little or no fines										
	fraction <no. 4="" sieve="" size)<="" td=""><td>SM</td><td>Silty sands, sand-silt mixtures</td></no.>	SM	Silty sands, sand-silt mixtures										
		SC	Clayey sands, sand-clay mixtures										
		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity										
SOILS of soil size)	SILTS & CLAYS Liquid Limit <50	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays										
NED 1 1/2 c sieve		OL	Organic silts and organic silty clays of low plasticity										
FINE-GRAINED SOILS (More than 1/2 of soil <a href="#"></a>		МН	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts										
FINE (Mo	SILTS & CLAYS Liquid Limit >50	СН	Inorganic clays of high plasticity, fat clays										
	-	ОН	Organic clays of medium to high plasticity, organic silty clays, organic silts										
HIGH	LY ORGANIC SOILS	Pt	Peat and other highly organic soils										

## CLASSIFICATION CHART (Unified Soil Classification System)

	RANGE OF GRAIN SIZES								
CLASSIFICATION	U.S. Standard Sieve Size	Grain Size in Millimeters							
BOULDERS	Above 12"	Above 305							
COBBLES	12" to 3"	305 to 76.2							
GRAVEL Coarse Fine	3" to No.4 3" to 3/4" 3/4" to No. 4	76.2 to 4.76 76.2 to 19.1 19.1 to 4.76							
SAND Coarse Medium Fine	No. 4 to No. 200 No. 4 to No. 10 No. 10 to No. 40 No. 40 to No. 200	4.76 to 0.074 4.76 to 2.00 2.00 to 0.420 0.420 to 0.074							
SILT & CLAY	Below No. 200	Below 0.074							

GRAIN SIZE CHART



PLASTICITY CHART



U.S.C.S. METHOD OF SOIL CLASSIFICATION

	-	CF)		Z	DATE DRILLED		BORING NO	CALIF, SYMBO	OLS					
SAMPLES	%) ::	_ <del> </del>	۲	ATIC S.	GROUND ELEVATION SHEET _ 1 OF _ 1									
S/F(	15	SIT	SYMBOL	5.5	1	NG								
DEPTH (feet) Bulk SAMPI Driven SAMPI	MOISTURE (%)	DRY DENSITY (PCF)	SYI	CLASSIFICATION U.S.C.S.										
D 1200	Σ	₩		C P	SAMPLED BY	LOGGED BY								
		_	-				NTERPRETATION							
0					Solid line denotes us	nit change.								
					Dashed line denotes	material change.								
					Modified split-barre	ed split-barrel drive sampler.								
					odified split-barrel dr	rive sampler.								
	δ				Seepage.									
5	푸				Ī	ntered during drilling								
	*					Groundwater measured after drilling.								
					Standard Penetration	n Test (SPT).								
					No recovery with a	SPT.								
XX/					Shelby tube sample. in inches.	Distance pushed in i	nches/length of samp	le recovered						
					No recovery with SI	nelby tube sampler.								
10					Bulk sample.									
					Attitudes: Strike/Dip b: Bedding									
					c: Contact j: Joint									
					f: Fracture F: Fault									
					cs: Clay Seam s: Shear									
15					bss: Basal Slide Sur sf: Shear Fracture	face								
					sz: Shear Zone sbs: Sheared Beddin	g Surface								
					South Bodding									
					The total depth line	is a solid line that is	drawn at the bottom	of the						
20		<u> </u>			boring.			·						
				<b>A A</b> -			ORING L							
	74	<b>IO</b>	æ	M	_9700	EXPLANA	ATION OF BORING LO	G SYMBOLS						
<b>—</b> •	U		_	_		PROJECT NO. SYMSAMP	DATE Rev. 1/99	FIGURE						

-							_									
		SAMPLES			(mdc				DATE DRILLED		12/12/2002	BORING	3 NO		UST-7	
	eer)	SAM	TOC	₽	ORGANIC VAPORS (ppm)	   W	_ ا_	CLASSIFICATION U.S.C.S.	GROUND ELEV	ATION	• .		SHEET	1	_ OF _	5
	UEP1H (Teet)		BLOWS/FOOT	SAMPLE ID	VAPC	MOISTURE	SYMBOL	SIFICA S.C.S	METHOD OF DR	RILLING	CME 75	<u> </u>				
	֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	Bulk riven	BLO	SAI	ANIC	₽	S	ZLASS U.	DRIVE WEIGHT		140 pounds		DROF	·	30 inche	s
					ORG				SAMPLED BY	PAR				EWED B	YF	PAR
	55-				0			SM	FILL: Dark yellowish b odor or staining i  ALLUVIUM: Moderate olive b noted in cuttings	rown (10 n cutting	DESCRIPTION  PYR 4/2), moist is from surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the surface to the	/INTERPRE , silty fine S to 10 feet.	TATION  GAND; no	petrole	um hydr	ocarbon
	5 -		50/6					SP	Moderate olive b SAND; petroleur Yellowish gray (S	n hydroc	, fine SAND; p	staining no	rdrocarbo	n odor a		
			V	inyl	<b>]</b> &		V	laa	T <b>e</b>	thin -	DJECT NO.	pposed Bloomfie Santa Fe Sprin DATE	gs, California		FIGURE	
			<b>y</b>				7				3571006	12/200			A-1	

_ =							_					·				
		SAMPLES			(mdd			-	DATE DRILLED	1	2/12/2002	BORING	9 NO	U	JST-7	
	et)	SAM	JOT	Ω	RS (	ļ w	_	OIT.	GROUND ELEVA	ATION _			SHEET	2	OF _	5
	DEPTH (feet)		BLOWS/FOOT	SAMPLE ID	ORGANIC VAPORS (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	METHOD OF DR	RILLING	CME 75					
		Bulk Driven	ВГО	SAI	ANIC	\ ¥	S	LAS! U	DRIVE WEIGHT		140 pounds		DROP		30 inches	
		۵			ORG			O	SAMPLED BY _	PAR	LOGGED BY	PAR		VED BY	P	AR
	20					<del>                                     </del>			ALLUVIUM: (Co	ontinued)						<u> </u>
									Yellowish gray (5 noted.	YR 7/2),	, fine SAND; pe	troleum hy	drocarbon	odor an	ıd staini	ng
8	1															
	+															
8																
			52/2	LION T. O.												
<b>.</b>	25 –		53/3	UST-7-25					Petroleum hydroc	arbon od	lor and staining	noted.				
		$\vdash$														
	30 –		50/3	UST-7-30					Slight petroleum	hydrocar	bon odor and st	aining note	d.			
	-	+														
	_					ļ			Moderate yellowi	a. k		niet ver	lense fine	to coars	E SANI	<u> </u>
								sw	solvent odor (swe				ichse, fille	to coars	oc SAINI	٠,
	-															
	35 –		50/3	UST-7-35												
	-	+														
	-	+							:							
	40		50/3	UST-7-40				ML								
			<b>A</b> //	ire u u	n o			lan	ro	· · · · · · · · · · · · · · · · · · ·	Pro	BORIN posed Bloomfie	ld Business Cer	nter	- · · · · · · · · · · · · · · · · · · ·	
			7	iny			7	Ing		PRO	DJECT NO.	Santa Fe Sprir	igs, California		FIGURE	
			7				7				3571006	12/200	)2		A-2	

	-	SAMPLES			(mdc				DATE DRILLED		12/12/2002	BORING	S NO	UST-	7
	et)	SAM	ρ	Ω	RS (F	W W	بـ ا	NOIT	GROUND ELEVA	TION			SHEET	3 OF	5
	DEPTH (feet)		BLOWS/FOOT	SAMPLE ID	VAPO	MOISTURE	SYMBOL	S.C.S	METHOD OF DR	ILLING	CME 75				
	DEP	Bulk	BLOV	SAN	ORGANIC VAPORS (ppm)	₩ W	S	CLASSIFICATION U.S.C.S.	DRIVE WEIGHT		140 pounds		DROP	30 in	ches
		ع إت			ORG/			0	SAMPLED BY _	PAR	LOGGED B	Y PAR	REVIE	WED BY _	PAR
_	40	+				-			ALLUVIUM: (Co			MIERPRE	IATION		
	-								Moderate yellowis hydrocarbon odor	sh brow	vn (10YR 5/4), n	noist, hard,	clayey SII	LT; no petrol	leum
-															
	-	$\parallel$				<del> </del>		SP	Moderate yellowis			noist, very c	lense, fine	SAND; no j	petroleum
	-	$\parallel$	-						nydrocarbon odor	or stan	ning noted.				
	45 -		50/5	UST-7-45											
	-														
			-												
			-												
			50	UST-7-50					No petroleum hyd	lrocarb	on odor or staini	ing noted.			
	50 -			05.750					The pendicum nyu		on odor or stand				
	-	+													
	-									_					1
	55 -		50/3	UST-7-55					Dark gray (N3) at	54.5 fe	eet; no petroleur	n hydrocarb	on odor o	r staining no	ted.
_				}											
	-														
		H	-						Moderate olive br	own (5	VR 4/4) fine S	AND with tr	ace coarse	e sand to fine	e gravel: no
	_60_			UST-7-60				<u> </u>	petroleum hydroc						- 0, 223
				9								BORIN			
			M	iny	<b>1</b> 8	z /	V	100	re I		Pr	roposed Bloomfie Santa Fe Sprir	eld Business Co ngs, California	enter	
		4	<b>* * * *</b>	U							ROJECT NO.	DATE	•	FIGU	
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	_	<b>—</b>				_				_									
	1	SAMPLES			ORGANIC VAPORS (ppm)			7	DATE DRILLED		12/12/2002	BORING	9 NO	ι	JST-7				
eet)		SAN	901	۵	ORS (	쀭	٦	ATIO! S.	GROUND ELEVA	TION	<b>,</b> ,,		SHEET	4	OF5	5			
DEPTH (feet)			BLOWS/FOOT	SAMPLE ID	VAP(	MOISTURE	SYMBOL	SIFIC,	METHOD OF DR	ILLING	CME 75								
	Bulk	Driven	BLO	SAI	ANIC	₽	Ś	CLASSIFICATION U.S.C.S.	DRIVE WEIGHT		140 pounds		DROP		30 inches				
					ORG			O	SAMPLED BY _	PAR LOGGED BY PAR REVIEWED BY PAR  DESCRIPTION/INTERPRETATION									
60	┿	H							ALLUVIUM: (Co	ntinuad		MILKIKL	IATION						
									Grayish olive (10)	YR 4/2)	at 60 feet.								
	1	П																	
	$\downarrow$	Н																	
•																			
	T	П																	
1	+	Н																	
65	1		50/2	UST-7-65					Slight petroleum h	ydroca	rbon odor and n	o staining.							
	+	Н																	
	1	$\parallel$																	
•	<b>†</b>																		
	+	$oxed{H}$																	
70			50/3	UST-7-70		<del> </del> -		-CL	Dark gray (N3), n	noist, ha	rd, silty CLAY;	no petrole	ım hydrod	arbon o	dor or stair	ning -			
70	T								noted.										
	+	H																	
		Ц																	
	+	$\dagger \dagger$						_{МL}	Dark gray (N3), n	noist, Ta	rd, clayey SILT	; no petrole	um hydro	carbon o	odor or stai	ining			
	+	$\perp$							noted.										
			50/5	UST-7-75															
75	+																		
	+	H																	
	+	H																	
	1	Ц																	
80				UST-7-80					No petroleum hyd	lrocarbo	on odor or staini	ng noted.							
للما						<del>'</del>	<u> </u>	_				BORIN	G LOG						
			M	iny	08	z	V	00	re		Pro	oposed Bloomfie Santa Fe Sprin	ld Business C	enter					
				U							OJECT NO. 03571006	DATE 12/200			FIGURE A-4				

	T	S.			_										
		SAMPLES	L		ORGANIC VAPORS (ppm)			Z	DATE DRILLED			_	S NO		
DEPTH (feet)	L	SA	BLOWS/FOOT	Б	ORS	J. H.	7	SATIC	GROUND ELEVA	TION			SHEET _	5 OF5	
PTH H			MS/I	SAMPLE ID	×	MOISTURE	SYMBOL	SIFIC J.S.C	METHOD OF DRI	LLING	CME 75				
	B. K.	Driven	BLO	Sγ	ANIC	ž	S	CLASSIFICATION U.S.C.S.	DRIVE WEIGHT		140 pounds		DROP _	30 inches	
					ORG				SAMPLED BY	PAR	LOGGED B			D BY PAR	
80	Ť								Total Depth = 80 f						
	$\downarrow$	$\sqcup$							No groundwater en Backfilled with ber			02.		-	
7	T														
	+	H													
85	+	H													
		Ц													
1															
	T	$\dagger$													
	+	-		!											
		П													
90	+	Н													
	L	Ц													
	+	П													
	+	H													
7															
	T	$\prod$		i											
95	+	Н													
		Ц													
1															
	+	H													
	1	$\coprod$													
		П													
100	<u> </u>											BODIN	GLOG		
T				Mu	<b>1</b> 8		V	lan	re	BORING LOG  Proposed Bloomfield Business Center Santa Fe Springs, California					
<i>Ninyo &amp; Moore</i>						_		OJECT NO.	DATE 12/200		FIGURE A-5				

Ninyo & Asore

#### APPENDIX J

## GEOTRACKER CONFIRMATION

## **AB2886 Electronic Delivery**

Main Menu | View/Add Facilities | Upload EDD | Check EDD

#### WALKER-TURNER PROPERTY - T0603703246

11020 BLOOMFIELD AVE S SANTA FE SPRINGS, CA 90670

EDF SÜBMITTALS												
CONF NUM	TITLE	QUARTER	SUBMITTED BY	SUBMIT DATE	STATUS							
7569779694	MARCH 6, 2002 SOIL SAMPLING	_Q1 2002	NINYO&MOORE	5/10/2002	PENDING	DELETE SUBMITTAL						
2100518941	MARCH 7, 2002 SOIL SAMPLING	₋Q1 2002	NINYO&MOORE	5/10/2002	PENDING	DELETE SUBMITTAL						
2344354271	MARCH 18, 2002 SOIL SAMPLING	Q1 2002	NINYO&MOORE	5/15/2002		DELETE SUBMITTAL						
4065951049	NOVEMBER 2002 UST REMOVAL	Q4 2002	NINYO&MOORE	2/18/2003	PENDING	<u>DELETE</u> SUBMITTAL						
7614216387	DECEMBER 2002 SOIL BORING	Q4 2002	NINYO&MOORE	3/24/2003	PENDING	DELETE SUBMITTAL						

#### GEO XY SUBMITTALS

NO GEO_XY SUBMITTALS FOR THIS FACILITY.

#### GEO Z SUBMITTALS

NO GEO_Z SUBMITTALS FOR THIS FACILITY.

#### GEO WELL SUBMITTALS

NO GEO_WELL SUBMITTALS FOR THIS FACILITY.

#### GEO MAP SUBMITTALS

CONF NUM TITLE SUBMITTED BY SUBMIT DATE STATUS
6619748771 GEO_MAP NINYO&MOORE 3/24/2003 PENDING DELETE SUBMITTAL

#### NAME CHANGE SUBMITTALS

NO NAME CHANGE SUBMITTALS FOR THIS FACILITY.

#### DUPLICATE FACILITY SUBMITTALS

NO DUPLICATE FACILITY SUBMITTALS FOR THIS FACILITY.

Logged in as NINYO (AUTH_RP)

CONTACT SITE ADMINISTRATOR.

## **AB2886 Electronic Delivery**

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been successfully uploaded!

Confirmation Number: 7614216387

**Date/Time of Submittal:** 3/24/2003 3:34:19 PM

Facility Global ID: T0603703246

Facility Name: WALKER-TURNER PROPERTY

Submittal Title: December 2002 Soil Boring

Submittal Type: Soil & Water Investigation Report

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CONTACT SITE ADMINISTRATOR.

## **AB2886 Electronic Delivery**

Main Menu | View/Add Facilities | Upload EDD | Check EDD

## UPLOADING A GEO MAP FILE

### YOUR IMAGE UPLOAD WAS SUCCESSFUL!

Facility Name:

WALKER-TURNER

**PROPERTY** 

Global ID:

T0603703246 **GEO MAP** 

Submittal Type:

Submittal Date/Time: 3/24/2003 3:39:26 PM

Confirmation

Number:

6619748771

Click here to view the image.

Back to Main Menu

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